

1909

A. Goldman  
Wilcox, Arizona.

12 mi. N. W. of

Aug. 5, '09

"

"

Les Hrdlicka  
Egypt.

"

"

"

"

Birdseye #31

Aug. 2, '09

"Common among nut pines

S. E. of Chin Lee, Arizona" #32

"In sand at Chin Lee, Ariz."

Bernard Mackensen Kerrville, Tex. Aug. 10, '09.  
(See letter of Aug. 10, '09)

"

"

"

"

09.241 *Mamillaria*  
*heyderi* 2.

09.242 *Mamillaria vivipara* 9307  
1

09.243 *Echinocereus fendleri*  
1

09.244 *Dudleya laxa* 1-died 9308.  
1

09.245 *Opuntia* 9309  
1

09.246 *Opuntia*  
1

09.247 *Opuntia* (seedling)  
1

09.248 *Echinocactus simpsoni* Engelm.  
1

09.249 *Echinocactus simpsoni* Engelm.  
1

09.250 *Opuntia* (small seedling)  
1 sp. ded

09.251 *Echinocereus* Dead  
Ex. Ras

Bernard Mackensen Aug. 10, '09.  
Texas

C. Birdseye #33 Aug. 1, '09  
"Pine woods 12 miles N. W. of  
Fort Defiance, Arizona."

Birdseye #30 Aug. 2, '09  
S.E. of Chin Lee, Arizona

D. T. MacDougal Monterey Co., Aug. 8, '09  
Mouth of Carmel R., Cal.

A. C. Garrett. Fish Creek, western part July 27, '09  
of Sevier Co., Utah. #2527  
#2528

#2529

#2530

#2530<sup>a</sup>

#2581

#2582



09.252 *Opuntia* 9310

"Collected by R. K. Beattie at request Aug. '09  
of C. V. Piper on Waldron Island,  
San Juan Co., Washington."

09.253 *Hylocereus*\* 3

E. D. Merrill, Manila, P.I. Aug. '09.

09.254 *Rhipsalis cassytha* 1

Aug. 6, '09

09.255 *Hylocereus triangularis* 1

Mrs. D. D. Gaillard  
Canal Zone

09.256 ~~*Phyllocactus*~~  
*Epiphyllum Gaillardae* 1

09.257 *Opuntia ballii* Rose. 2

C. R. Ball, Pecos, Texas Aug. 16, '09.  
#1506

09.258 *Opuntia kuntzii* Rose 1

Dr. Carl Lintholtz, Brownell, Pima Co., Aug. '09  
Arizona.

09.259 *Anacardium* (seeds) 3  
(Seed died 11/09)

Dr. G. B. Wilcox Aug. '09  
Mexico

09.260 (seeds) 3  
(Seed died 10/6/09)

" "



09.261 Echinocereus

09.262 Opuntia

09.263 Opuntia clavata Engelm

09.264 Opuntia arborescens Engelm

09.265 Opuntia mackenzii  
destr.

09.266 Mamillaria missouriensis

09.267 (Seeds did not germinate because punctured) (3 sent to greenhouse)

09.268 Opuntia polycantha

09.269 Opuntia polycantha

Elmer Stearns, El Paso, Texas

Aug. '09

"

"

E. A. Goldman, New Mexico

Aug. 17, '09

#1634

Socorro, N. M.

" #1635

"

Kerrville, Texas

Aug. '09

B. Mackensen

V. Bailey, Montana, Helena

Aug. 18, 1909

San Pablo, Canal Zone

Aug. 13, '09

V. Bailey, Dubois, Idaho

Aug. 22, '09

"Abundant all over the Snake R. region plains of southern Idaho in the upper Sonoran zone"

V. Bailey, Dillon, Montana

Aug. 24, '09



09.270 Echinocereus

1

09.271 Echinocereus stromineus Engelm.

1, 3, 4, 5

09.272 Mamillaria gibrifera Haage

1

09.273 Echinocereus stromineus Engelm.

1

09.274 " caespitosa

1

09.275 Echinocactus texensis

1, 2, 3, 4, 5

09.276 Echinocactus simpsoni

1

09.277 Echinocereus viridiflorus

5

09.278 Villadia imbricata Rose  
(not Sedum)

1

E. A. Goldman, N. Mexico  
#1643, 10 mi. N.E. of Socorro, N.M.

Aug. 19, '09.

Dr. P. E. Kunze, Phoenix, Arizona  
In cult.

Aug. 28, '09

" " "

C. R. Ball & P. D. Swift #1553  
10 mi. S.E. of Christoval, Texas.  
#1554. " " " 6 mi.

Aug. 26, '09

#1552 10 mi. N.W. of St. Mikavett,  
Menard Co. Texas.

A. O. Garrett #2582<sup>a</sup>  
Fish Creek, Sevier Co., Utah.

Aug. 30, '09

New Mexico, Cimarron. C. N. Ainslie

Sept. '09.

C. Conzatti  
Mexico, Las Lajas, Oaxaca

Sept. '09



09.279 Villadia laevis Rose

09.280 Echeveria pubescens Hook.  
(Not Sedum) all dead

09.281 Mamillaria retusa?

09.282 Mamillaria meiacantha

09.283 Echinocereus

09.284 Sedum  
Died Nov. 1, '09.

09.285 Opuntia

09.286 Mamillaria  
Dead & destroyed

09.287 Opuntia basilaris Engelm.  
(no spines)

09.288 Opuntia  
(long spines)

09.289 Opuntia

Mexico, Las Sedas, Oaxaca.  
C. Conzatti (with 09.278)  
Cerro San Felipe, Oaxaca.

Alturas de Huitzo, Oaxaca.

New Mexico, Magdalena Mts.  
E. A. Goldman #1699 6200 ft.

" Socorro Mts. #1650  
5500 ft.

" Magdalena Mts. #1698  
Copper Cañon, 10000 ft.  
Socorro Mts. #1649

Magdalena Mts.  
#1700

Arizona - Lee's Ferry - E. W. Nelson.  
(South side)

"  
Buckskin Mts, North end.

Sept. '09

'08

Sept. 5, '09

Aug. 26, '09

Sept. 4, '09

Aug 26, '09

Sept. 5, '09

Aug 26, '09

Aug. 31, '09



09.290 Echinocereus engelmanni

9348

09.291 Echinocactus

09.292 Echinocactus

09.293 Opuntia macrocentra

9350

09.294 Echinocereus chloranthus  
1 sp. det.

09.295 Opuntia arborescens <sup>umbucati DE</sup>

09.296 Echinocactus

09.297 Echinocereus

09.298 Echinocactus horizontalis

Dead & preserved  
09.299 Opuntia

09.300 Opuntia

09.301 Mamillaria mesiantha

Arizona - Lees Ferry - E. W. Nelson

(North side

" House Rock Valley

" Lees Ferry - E. W. Nelson

(North side)

Aug. 26, '09

Aug. 30, '09

Aug. 26, '09

Texas - Alpine. B. Mackensen #3 Sept. '09.

#9

Dist. 1.1

#4

#8

#7

#6

#1

#2

#5



09.302 Echinocereus

09.303 Mamillaria

09.304 Opuntia

09.305 Opuntia  
1 destr.

09.306 Laciniaria

09.307 Opuntia ballii Rose?  
1 destr.

09.308 Opuntia

09.309 Opuntia davisii Engelm.

09.310 Opuntia bushii Rose

Texas, San Antonio. B. Mackensen

Texas. 3 mi. S.W. of Merkel  
C.R. Ball. #1555

Indiana Hammond. E.S. Steel

Texas - Big Springs. <sup>Loraine</sup> C.R. Ball  
#1557  
#1558

#1559

Missouri - E.J. Palmer  
Heck City, Jasper Co.

Sept. 13, '09

Sept. 16, '09

Sept. 15, '09

Sept. 17, '09



09.311 *Opuntia leptocarpa*

09.312 *Opuntia ferruginispina* L.H.B.

09.313 *Opuntia texana*

09.314 *Opuntia lindheimeri*

09.315 *Echinocereus*

09.316 *Opuntia*  
§ *Platyph.*

09.317 *Opuntia*

09.318 *Opuntia*  
Ded

09.319 *Echinocactus texensis*  
1 destr.

09.320 *Opuntia cymochila*

Texas, San Antonio  
B. Mackensen.

Sept. 15, '09

New Mexico. Cimarron,  
C. N. Ainslie

Sept. 09.

North Carolina Church's Id.  
W. R. McAttee.

Sept. 6, '09.

Texas - Bet. Big Spring & Lamesa  
C. R. Ball # 1560

Sept. 15, '09

#1561



09.321 *Opuntia*

2.

9366

Texas - Plainview

C.R. Ball #1562

Sept. 16, '09.

09.322 *Opuntia*

1

9367

Alabama West of Montgomery  
J.E. Lloyd

Sept. 21, '09

09.323 ~~*Phyllocactus*~~

*Epiphyllum crenatum* 1

✓

From Harry Bullen.  
In cultivation

June 1909

09.324 *Erythrina*

9°

9375

Canal Zone, Empire, I.D. Gaillard Sept. 18, '09.  
= 09.87 3 seeds.

09.325 *Mucuna*

"A" "ojo de venado" (See letter of 9/18/09)  
"Vine growing in low ground" 2 seeds

09.326 *Entada mucuna?*

(Dead, Nov. 09)

"B" "Entada" 2 seeds

09.327 *Anacardium*

"also from vine in low ground"  
"C" "Marañon" or "cashew" 2 seeds

09.328 *Echinocereus pectinatus?*

9376

1

Texas. Dalhart, Q.

C.R. Ball 1571. (See letter of 9-27-09)

Sept. 24, '09

09.329 *Opuntia macrochiza*

9378

Missouri, Joplin, Jasper Co.  
E.G. Palmer.

Sept. 27, '09.



09.330. *Mamillaria grahami* 9379

Arizona. Bright Angel Cañon Sept. 14, '09.  
E. W. Nelson #130

09.331 *Opuntia fragilis* 9380

Utah - Near Salt Lake City. Sept. 26, '09.  
A. O. Garrett "sandy soil"  
#2642

09.332. *Opuntia* 9381  
1 ded. 5

Missouri. Springfield Sept. '09.  
Miss Nellie Standley det

09.333 *Echinocactus setispinus?* 9377

Kansas. Leoti. (See letter of 9-30-09) Sept. 29, '09.  
C. R. Ball #1576

09.334 *Opuntia* 1

#1577

09.335 *Echinocereus rigidissimus* Rose 2

09.336 *Mamillaria recurvatus* Engelm. 1

Dr. Carl Lumboltz

Sept. '09.

09.337 *Hyllocereus* 2

09.338 *Hyllocereus*  
= 09.255

09.339 *Phyllocactus* - *Epiphyllum Gaillardiae* Britton & Rose  
= 09.256. dead

Canal Zone. "See letter of 9/29/09". Sept. 29, '09  
Mrs. D. D. Gaillard #1  
Tobago I., Pacific O. #2

#38#6.

09.340

09.341

09.342 Opuntia

4

9384

09.343 Opuntia

2

9385

09.344 Opuntia

2

09.345. Opuntia

1

9389

09.346. Opuntia arborescens

1

09.347 Opuntia trichophora

Dead 11/29/09 See box

1

09.348. Mamillaria

1

09.349 Echinocactus

1 destr

1

Canal Zone. Mrs. D.D. Gaillard.

Sept. 29, '09.

Missouri - Near Webb City, Jasper Co.  
Ernest J. Palmer #2801.

Oct. 1, 1909

Kansas - Lakin

C.R. Ball #1578

Sept. 30, '09

#1579

New Mexico. San Mateo Mts.  
E.A. Goldman #1723

Sept. 22, '09.

#1722  
San Augustine Plain.  
#1718

Sept. 18, '09

#1719

Sept. 19, '09.

With #1719



09.350 *Opuntia* 9390

09.351 *Opuntia* Dead

09.352 *Opuntia* 9391

09.353. *Sedum* 9392

09.354 *Cephalocereus delavayi* 9394

09.355 *Opuntia* 9395

09.356 *Opuntia*  
arborescent

09.357 *Opuntia* 9396

Kansas; Dodge City.  
C.R. Ball #1581

Oct. 2, '09.

#1582

Utah; Salt Lake Co.  
A.C. Garrett #2643

Oct. 2, '09

Arizona: Sta. Catalina mts.  
D.T. MacDougal

Sept. 26, '09.

Belgium, Contich. Fraux de Laet

Sept. 18, 1909.

Utah. Old Ft. Pierce, 12 m. E. of St. George. Oct. 3, '09.  
E.W. Nelson #155

#154

Arkansas, Fulton  
B.F. Bush.

Oct. 6, '09.

09.358 Opuntia

09.359 Opuntia

09.360 Opuntia

09.361. Opuntia

09.362. Opuntia

09.363 Opuntia

09.364 Opuntia

09.365 Opuntia rutilis

09.366 Mammillaria chlorantha

09.367. Echinocereus engelmanni

Dead & destroyed 2. Oct. 1909

09.368 Opuntia

"Seedlings found in pot of 08.173, but not necessarily belonging to that number"  
Ditto for seedling in 08.178

New Mexico, Nara Visa (See letter of 10-7-09) Oct. 7, 1909.  
C.R. Ball #1583

#1584

#1585

Kansas, Mineola.  
J.M. Westgate.

Oct. 6, '09.

Utah

E.W. Nelson #156

Oct. '09.

#157

#158

#159

Missouri, Noel, B.F. Bush.  
(See letter of 10-9-05)

Oct. 9, '09.



09.369 *Opuntia rutilis*  
1 destr. ZHB. 9403

09.370 *Opuntia* 9404

2.

09.371 *Opuntia*

1

09.372 *Opuntia*

1

09.373 *Opuntia*  
Ded. & dest.

1

09.374 *Opuntia*

2

09.375 *Opuntia*

2

09.376 *Opuntia*

2

09.377 *Opuntia*

09.378 *Opuntia*

09.379 *Opuntia*  
1 spec. destroyed

Utah St. George Oct. 09  
E. W. Nelson #157

Texas.

C. R. Ball #1501

Aug. 12, 09

"Large pads, slender fruit, lat. 2  
to 3 equal spines"

#1502 (Same note as #1501)

Aug. 12, 09

#1503 (Same note as #1501)

"

#1504 "Stouter and riper fruit,  
smaller pads, 1 larger spine"

"

#1505 (Same note as 1504)

"

#1506 (Same note as 1504)

"

#1566

#1567 "Shorter white spines, ripe fruit"

#1568 (Same as 1567)

#1569 "Short white spines"

09.380 *Opuntia*

Aug. 12, '09.

C. R. Ball # 1570

09.381 *Mamillaria*

9407

Mexico; Oaxaca [On the Monteban Road, District of Nochixtlan, between Rancho Nopalera and Huizro, Oax.]  
C. Couratti. Recd. 10/15/09.

09.382 "

09.383 " *pycnacantha* Mart.

09.384 " *polyedra* Mart.

09.385 *Mamillaria*

9407

Mexico. Oaxaca.

C. Couratti

Recd. Oct. 16, '09.

09.386 *Echinocereus polycanthus* Engelm.

9408

New Mexico. San Mateo Pk.

Oct. 5, 1909

E. A. Goldman # 1749

09.387 " *chloranthus* Engelm.

# 1750

09.388 " *fendleri* Engelm.

# 1751

09.389 *Opuntia*, destr.

9410

Missouri, Webb City, Jasper Co.

Oct. 12, '09.

E. J. Palmer

# 6

09.390 *Opuntia*

dead

# 7



09.391 *Opuntia pulchella* 9411

09.392. *Echinocereus viridiflorus* 9412

09.393 *Opuntia*

09.394 *Opuntia*  
1 destr.

09.395 *Opuntia* 9419

09.396 *Opuntia*

09.397 *Yucca*

09.398 *Mamillaria karwinskiana* 9413

09.399 *Mamillaria*

09.400 "Lowland Hog-Peanut" 9419

09.401 "Select Hog-Peanut"

Nevada Fallon. Oct. 12, 1909  
F.B. Headley. [See letter of 10/12/09]

New Mexico, Cimarron. Oct. 14, 1909  
C. N. Anslee

New Mexico, Silver City. Oct. 9, '09.  
J. A. Pearson

Mexico. Oaxaca. Oct. '09.  
C. Couzatti.

Indiana: Plymouth. Edge of marsh Oct. 18, '09  
along railroad. H. W. Clark.  
St. Wayne: Edge of river bottom along  
feeder Canal Oct. 18, '09.

09.402 "Upland Hog-peanut"

09.403 *Phyllocactus hookeri*

4.

09.404 *Selaginella Bigelovii* Lind.

09.405 *Opuntia*  
3 *Platyop*

09.406 *Opuntia*

09.407 *Dudleya farinosa*  
fl. cream color

09.408 *Dudleya*  
fl. yellow

09.409 *Dudleya* *Helleri*?  
fl. yellow

09.410 *Dudleya*

9420

9421

9422

9423

Indiana: Plymouth. Horstmeier's Woods. Oct. 17, '09  
"In dry woods - scanty in fruit.  
bears white flowers."

West Indies: Tobago. ~~Charlotte~~ Villa Sept. 18, '09.  
W. E. Broadway.

California: cultivated at Natural City,  
San Diego Co., by Miss Laura T. Kimball;  
(transplanted there from Mission Dam in  
February 1907). W. R. K.

New Mexico: Fairview Oct. 18, '09  
E. A. Goldman #1781  
#1782.

California - Carmel Bay, rock crevice Aug. 17-19, '09.  
along shore. Letroy Abrams #4268  
- Carmel Bay, bluffs along  
sea-shore #4269 Aug. 17, '09.  
Near Carmel on cañon slopes.  
#4270 Aug. 17, '09  
Pecadero bluffs along shore  
#4272 Aug. 2, '09



09.411 Dudleya  
Dest. Destr.

4428

09.412 Sedum ?

09.413 Opuntia  
n destr.

9423

09.414 Pereskia panamensis Weber.  
Two seedlings

4433

09.415 Orchid

09.416 Orchid

09.417 "Epiphyllum violacea"

09.418

California - Pescadero, sea-bluffs,  
with 4272, and flowers very  
similar. L. P. Abrams #4273

Aug. 2, '09

California - Red Mt., near Blue Rock.  
Northern boundary of Men-  
docino Co. J. McMurphy #741

New Mexico: Cimarron "nearer Fort Oct.  
Hill than 09.394"  
C. M. Ainslee.

Panama:  
Mrs. D. D. Gaillard

Oct. '09

Porto Rico

Mr. Hess.

[Sent to Mr. Ketsch.]

Oct. 27, '09

Botanical Gardens, Wash., D. C.

Nov. 2, '09.

09.418 *Opuntia macrocentra*

9437

09.419 *Opuntia cycloides?*

09.420 *Echinocactus intertextus*

9437

09.421 *Mamillaria*

09.422 *Rhipsalis*

9436

09.423 *Sedum sieboldii*  
1 detri.

09.424 *Villadia imbricata* Rose

9442

09.425 *Sedum cupressoides* Hemsl.

09.426 *Echeveria gracilis* Rose nsp.  
*Sotograft.*

09.427 *Palcata comosa*  
"Hog-peanut" Dead 1910

New Mexico, Las Palomas. 4200 ft. Oct. 28, '09  
E. R. Goldman #1801

#1802

N. Mexico, Hillsboro. 5200 ft. Oct. 31, '09  
E. A. Goldman #1808

5200 ft.  
#1809

Sent to greenhouse by Mrs. G. M. Wolfe, Forest Glen, Md. Nov. 5, '09

Mexico - Coxeatlán.  
C. A. Purpus #23

#35

#24

Indiana, Ft. Wayne. North side of Feeder Canal Oct. 20, '09  
H. W. Clarke



09.428 *Mamillaria*

9443

Mexico, Oaxaca, Cerro San Felipe.  
C. Conzatti

09.429 *Phytelephas macrocarpa*  
"Ivory Palm Nut"

9444

Panama

Col. D. D. Gaillard

09.430 *Guilielma speciosa* v. Mart.  
"Thornless Piva Palm"

09.431 *Guilielma utilis* Oerst.  
"Thorny Piva Palm"

09.432 *Elaeis melanococca* Gaertn.  
"Corozo Palm"

09.433 *Astrocaryum*  
"Black Palm, Thorny (Espinosa)"

09.434 *Opuntia*  
Dendrodes. 1 destr.

9440

Utah, Salt Lake City  
A. J. Garrett

Nov. 09

09.435 *Opuntia cyclodes*

9454

N. Mexico Hillsboro  
E. A. Goldman #1827

Nov. 09

09.436 *Echinocereus coccineus*

#1828

~~09.437~~ *Epiphyllum truncatum*  
*Hygocactus truncatus* 1  
L.H.B. O. Berger

Sent to Green-house by Col. Edward Nov. 1909  
A. Mosely.

09.438 *Clematis paniculata*

2

✓

09.439 *Sedum*

1 ded

1

9455

09.440 *Polakowskia tacaco* Pittier

4

9458

09.441 *Polakowskia tacaco* Pittier

2

09.442 *Attalea*

11

09.443 *Acrocomia vivifera*

2

09.444 *Acanthorhiza*

(warcewiczii Wend.?)

10

09.445 *Micranpeliis lobata* (Michx.) Greene.?  
(Seeds sent to greenhouse)

9459

09.446 *Opuntia*  
1 destr.

From brick wall of Green-houses at Nov. 18, '09.  
14th St. & B., N.W., Washington, D.C.

Mexico, Cerro de Chicomole  
C. A. Purpus,

Nov. 11, '09.

Costa Rica, San Francisco de Gua-  
dalupe, near San José. Cult-  
ivated. Coll. by Tonder.  
"Like 09.440, but no fiber"

Nov. '09.

9456 Canal Zone, Culebra (See letter of 11/2/09) Nov. 2, '09.  
Mrs. D. D. Gaillard

Maryland, Cecil Co., Arken.  
J. Ford Sempers.

Aug. 4, 1909

Washington, Natchez City,  
J. H. Freeman



09.447 *Selenicereus*

09.448. "

09.449. " *brevispinus* B.R.

09.450. "

09.451. "

09.452. "

09.453. "

09.454 *Harrisia*

09.455 *Opuntia*

09.456 *Nopalea*

09.457 *Selenicereus*

09.458 *Selenicereus*  
*Dendroseris*

9457

Cuba Cayo Paloma

Shafer #2597

W.B. 31700

Cayo Calabasa

Shafer #2663

" 31701

Cayo Romano

Shafer #2811

" 31702

Cayo Laguna

Shafer #2672

" 31703

Cayo Romano, Lomo del Oro.

Shafer #2653

" 31704

Cayo Romano, Alto del Aji.

Shafer #2809

" 31705

Cayo Laguna

Shafer #2675

" 31706

Cayo Romano, Alto del Aji.

Shafer #2810

" 31707

Cayo Paredon Grande

Shafer #2578

" 31708

Cayo Coco.

Shafer #2699

" 31709

Cayo Laguna

Shafer #2674

" 31719

Cayo Paloma

Shafer 2597A

" 31720

1909

09.459 *Mamillaria macdougalii* n. sp. <sup>preserved</sup>  
spec. in box ~~Dead~~ 8 9460

09.460 *Opuntia* 2. 9461

09.461 *Opuntia arbuscula* 1 4462

09.462 " *fragilis* 2  
Dead + dest.

09.463 " *fulgida* 1

09.464 " *spinosa* ~~Dead~~ 1

09.465 " *versicolor* 1

09.466 *Echinocereus* 1

09.467 *Mamillaria grahami* 2

09.468 " " 3  
Dead + dest.

09.469 *Opuntia arborescens* 2

Arizona, Sta. Catalina Mts.  
D. T. MacDougal

Nov. 1909

North Carolina, Church's Island.  
W. L. Meade

Nov. 24, '09.

Arizona, Tucson

May, '09.

Flagstaff.

" "

Tucson

" "

"

" "

"

" "

Flagstaff

June 12, '09

F. C. Pratt

New Mexico, Deming

May, '09

F. C. Pratt  
Deming

"

"

"



09.470 Echinocactus intertextus

2

09.471 Echinocereus fendleri

2

09.472 Echinocactus wislizenii

1

09.473 Opuntia clavata

1

09.474 Opuntia

2

09.475 " arborescens

2

09.476 Opuntia

1

09.477 " clavata

3

09.478 Opuntia

2

09.479 " arborescens

1

09.480 <sup>Ded.</sup> Opuntia

2

09.481 " arborescens

1

9462

New Mexico, Deming.

May, 1909.

"

"

"

"

Santa Fe'

"

"

" 23

"

" 23

"

" 23

Albuquerque

June 1909

"

"

"

"

"

"

Texas, El Paso

Aug. 1908

09.482 Echinocereus

946

Texas, Cotulla

Mar. '09

09.483 Echinocactus setispinus

Brownsville

"

09.484 " horizontalis

El Paso

May 12, '09

09.485 " setispinus

Hondo

J. D. Mitchell

09.486 Opuntia  
Cylindropuntia

Chisos Mts.

09.487 Opuntia polyacarpa

946

Utah, S.W. of Hamblin, Nev.  
C. Birdseye

Nov. 8, 1909

09.488 Mamillaria vivifera  
Ped

09.489 Pereskia

946

Mexico, Mirador.

09.490 ~~Crassula~~ Sedum conzattii Rose.

C. A. Purpus.

09.491 Echinocactus grandicornis

" Cerro de Savilon.

09.492 Echinocactus  
dead & fused

" C. A. Purpus.  
" Tlamicoltepec

"



09.493 Mamillaria

09.494 " Frohartii

09.495 " " ?

09.496 Mamillaria

09.497 Mamillaria tenampensis

09.498 Mamillaria

09.499 Cereus mixtecensis

09.500 Cereus Moraffii

09.501 Cephalocereus sartorianus

09.502 Cereus schenckii

09.503 ~~Pilocereus~~ polylophus  
Cephalocereus

09.504 Epiphyllum russellianum

Dead  
1

Mexico, Tlamicoltepec  
C. A. Purpus.

" On rocks

Zapotitlan

Barranca de Tenampa.

Rio de Santa Luica, Puebla.

"Chichibe", San Luis Tliltlanapa.

"Chente" San Luis, Oaxaca.

Palmilla

"Garambullo", San Luis, Oax.

Palmilla

Given by Mr. Howard, 1366 N. Car. Ave., N.E.  
Washington, D.C.

09.505 *Crassula*  
Ded.

09.506 *Sedum*

9469

Mexico, Cerro de Chicomole,  
C. B. Purpus

9-10000 ft.

09.507 *Echinocactus horizontalis*

9470

New Mexico, Las Cruces  
E. A. Goldman #1847

Nov. 24, 09

09.508 *Echinocereus stramineus*

#1848

09.509 *Echinocereus polyacanthus*

#1849

09.510 *Pereskia panamensis*

9471

Panama

Nov. 09

Dead  
09.511 *Euphorbia*

Mrs. D. D. Gaillard

Costa Rica

"

09.512 *Ananas macrodontes* Morren?

✓

Mexico, Vera Cruz, Minatitlan.  
Mexico Commercial Co.

May 17, 01.

09.513 *Cereus lemairei*

9472

England, Kew, Royal Botanic Gardens. Nov. 24, 09

09.514 " *napoleusis*

09.515 " *ocampensis*



09.516 *Cereus triangularis* 2 9472  
09.517 *Epiphyllum delicatum* 1

09.518 *Mamillaria* 2 9473

09.519 *Hylocereus* 4 9477

09.520 *Mamillaria* 1

09.521 *Opuntia* 1 9483

09.522 *Cereus peruvianus*  
*Looking very like ...*

09.523 ~~*Hylocereus triangularis*~~  
*Hylocereus Schavrei*

England, Kew, Royal Bot. Gard. Nov. 24, '09.

Cuba, Shafer 2946

Haiti, Santo Domingo, near Macoris Dec. 10, 1909  
H. Taylor #203

Mexico, Oaxaca, Etla. Dec. 5, 1909.  
C. Conzatti.

Arizona, Tucson Dec. 12, '09  
Herbert Brown

West Indies, Tobago. W.E. Broadway Dec. 2, '09  
"Apparently wild on the island,  
grows tall, erect, and branching.  
Have not seen flowers"  
"Wild on shrubs and trees,  
flowers not yet seen." Dec. 2, '09.

09.524 Echinocactus setispinus

9485

Texas, Laredo  
B. Mackensen

Dec. 18, '09

09.525 Mamillaria

09.526 Lophophora

09.527 Mamillaria heyderi

09.528 Mamillaria texana

09.529 Nopalea

9487

South Carolina; Santee  
W. L. McAtee

Dec. 20, '09

09.530 Pereskia bleo

9493

New York Botanical Garden.  
NY Bot. #12027 Britton & Howell #347

09.531 Pereskia amapola dead

NY Bot. #16892 "Mr. Weinberg 1903"

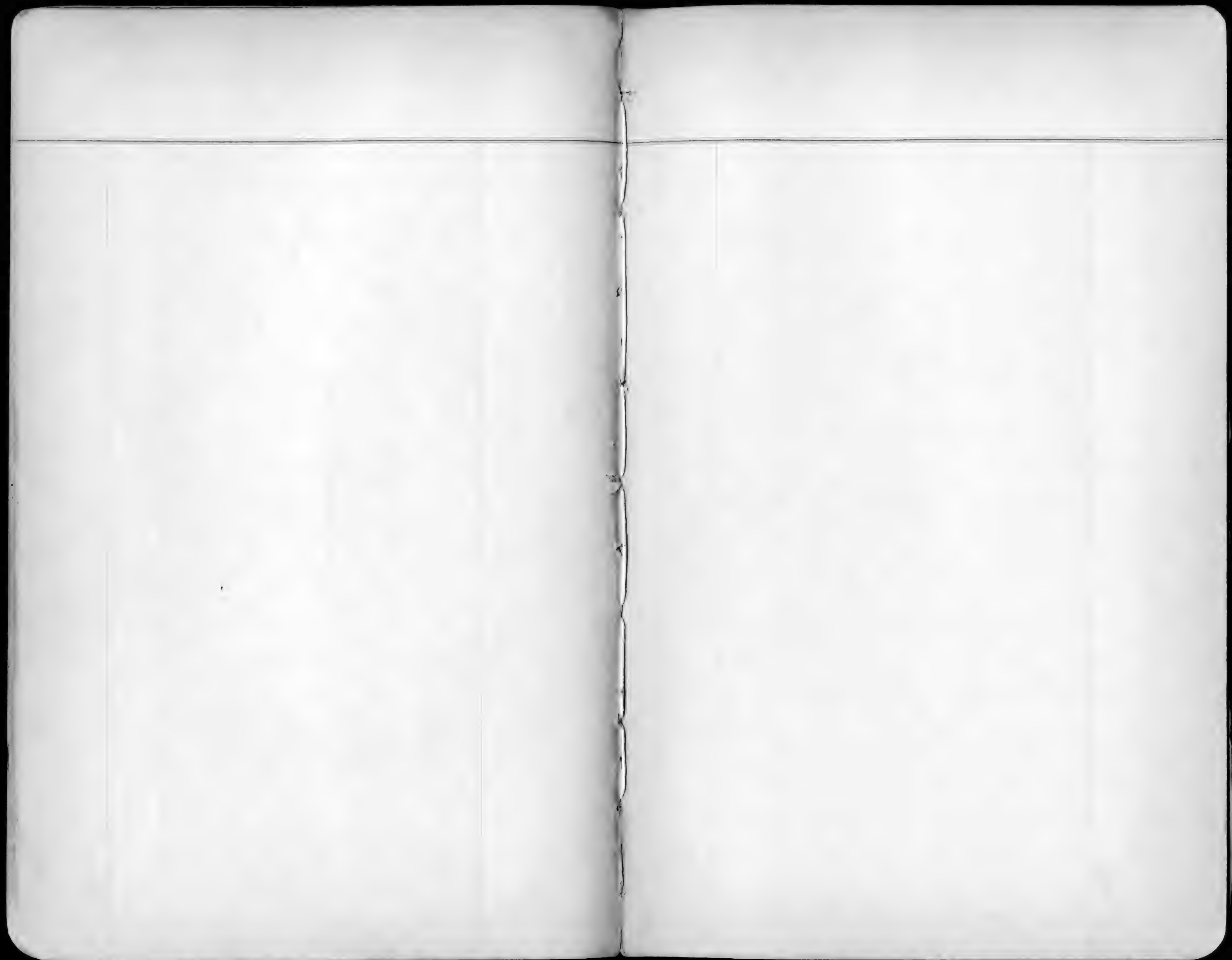
09.532 Phyllocactus latifrons

09.533 Ibervillea Lindheimeri

Agr. Dept. Green-house, Mr. Fraile.

Texas, Brownsville.  
Economic Herbarium #36.





U. S. National Herbarium.

1910.





1910.

Cat. No.

- |       |   |   |
|-------|---|---|
| 10.1  | <i>Hylocereus [trigonus]</i><br>perhaps " <i>Lemairei</i> " | 1 |
| 10.2  | <i>Pterocactus kuntzei</i>                                  | 1 |
| 10.3  | <i>Pereskia amapole</i><br><i>Det-1</i>                     | 3 |
| 10.4  | " <i>rotundifolia</i>                                       | 1 |
| 10.5  | <i>Opuntia poeppigii</i>                                    | 1 |
| 10.6  | <i>Cereus</i><br><i>Det-1</i>                               | 1 |
| 10.7  | "   | 1 |
| 10.8  | "   | 1 |
| 10.9  | <i>Opuntia spegazzinii</i>                                  | 2 |
| 10.10 | <i>Cotyledon</i>  | 4 |
| 10.11 | <i>Echinocactus</i>   | 1 |
| 10.12 | <i>Cereus corine</i>  | 1 |
| 10.13 | <i>Abc rosei glauca</i> x <i>brevifolia</i>                 | 1 |
| 10.14 | <i>Cereus baumannii</i> dead                                | 1 |

1910

- |                           |                 |      |      |
|---------------------------|-----------------|------|------|
| Uruguay                   | Frank Weinberg. | Jan. | 1910 |
| Long Island, Woodside.    | In cultivation  |      |      |
| "                         | "               |      |      |
| "                         | "               |      |      |
| "                         | "               |      |      |
| "                         | "               |      |      |
| "                         | "               |      |      |
| "                         | "               |      |      |
| California, Pasadena      |                 |      |      |
| Long Island, Woodside.    | In cultivation. |      |      |
| South America, Argentina  |                 |      |      |
| Long Island, Woodside.    | In cultivation. |      |      |
| South America, Argentina. |                 |      |      |



10.15	Dudleya	
10.16	<sup>Ded</sup> Cereus	
10.17	Cereus	2
10.18	Opuntia pes-capri Lelonte	2
10.19	Cereus urbianus	
10.20	<del>Cereus</del> Hylocereus Lemairei	2
10.21	Cephalocereus <del>ded-1</del>	5
10.22	Sedum aureum	
10.23	Cereus	2
10.24	Opuntia	2
10.25	Opuntia	3
10.26	Mamillaria <sup>1 destr.</sup> radiosa	1

Long Island, Woodside. In cultivation Jan. 1910.  
Frank Weinberg  
Mexico, Oaxaca.

Mexico, Barrauca de Coateatlan, Puebla.  
C. A. Purpus

Florida, St. Vincent Id. Jan. 11, 1910  
W. L. McAttee

Germany, Königl. Bot. Gart. Jan. 11, '10.

West Indies, Tobago, Scarborough.  
W. E. Broadway  
" "

New Jersey, Camden. In cultivation Jan. 22, 1910  
D. M. Saintourens  
" "

" "

New Mexico, Placitas. 8000 ft. elevation Jan. 21, 1910  
Charlotte Ellis  
" "

10.27	<i>Urbinia purpurea</i> <sup>Flowered Aug 1911</sup> <del>1 dead destroyed</del>	1
10.28	<i>Thompsonella minutiflora</i>	1
10.29	<i>Echeveria setosa</i>	2
10.30	<i>" attenuata</i>	1

10.31	<i>Nopalea n.sp.</i>	3
10.32	<i>Opuntia</i>	2
10.33	"	2
10.34	<i>Acanthocereus</i>	5
10.35	<i>Cereus</i>	2
10.36	<i>Hylocereus</i>	4

10.37.	<i>Parmentiera cereifera</i>
10.38	<i>Heliocharpus arborescens</i>

(see next page)

Mexico J. A. Purpus

Mexico near Tampico  
Dr. E. Palmer "A"

(See cards for further data) "B"  
"C"  
"D"  
"E"  
"F"

Feb. 1910.

Panama, Mrs. D. D. Gaillard

Feb. 1910

- 10.39 "Water lily" (7 plants)  
 10.40 Opuntia (3 joints)  
 "Undoubtedly a cultivated form."

10.41 <sup>10/16</sup> Cereus (4 pieces)  
 "seen frequently in large heavy-  
 looking bunches in the crotches of  
 trees where its branches rest for  
 support". - E. Palmer, in litt, 28 Feb. 1910.

- 10.42 Echinoc. <sup>Dead</sup> 2 plants  
 10.43 Opuntia (Platyop.) 1 joint  
 10.44 Opuntia (Platyop.) 3 specimens  
 10.45 Cereus (1 plant in 2 pieces)  
 large branched root, destr.  
 10.46 Echinoc. (4 plants)  
 10.47 Echinoc. (1 plant)  
 10.48 Mammillaria heyderi (1 plant)  
 10.49 Mammillaria (2 plants)  
 10.50 Echinocereus (2 large plants)

Mexico: near Tampico. Feb. 1910  
 Dr. E. Palmer # "G."  
 " " # "H."

" " "J."

Texas Lloyd, F.E. # 1. Escondido Creek, near  
 (See list) Tuna Springs  
 Feb. 26-28, 1910.

" # 2

" # 3

" # 4

" # 5

" # 6

\* " # 7

\* " # 8

\* " # 9



- 10.51 *Mamillaria micromeris greggii* (7 plants)
- 10.52 *Mamillaria* (10 plants)
- 10.53 *Opuntia* (Platyph.) (2 juv & 2  
juv. each)
- 10.54 *Mam.*? (1 plant)
- 10.55 *Echinoc.* (2 plants)
- 10.56 *Mam.*? (3 plants)
- 10.57 *Mamillaria* (1 plant)
- 10.58 *Opuntia*? (3 plants)
- 
- 10.59 *Opuntia tracyi* Britton 9554  
1 dead destroyed
- 10.60 *Mamillaria* 9555  
(cespitose, 3 plants together)
- 10.61 *Echinocact.* 1 dead destroyed  
(1 plant)
- 10.62 *Opuntia* (1 plant, juvenile)
- 10.63 *Mamillaria* (1 plant, dead?)
- 
- 10.64 *Fredericantia Neobacaria*  
" (Flowered at N.Y. Bot. Garden  
April, 1910. Flowers rose-purple). " Wash

F. E. Lloyd #10. Said by Lloyd to  
be "a genuine state of no. 8."  
Lloyd #11

" #12

" 13

" 17

" 19

#20

#21

Mississippi: Biloxi (sandy beach, 50 yds.  
from the Gulf. S. M. Tracy, Mich. 1910.  
Texas: Sweetwater? Mrs. John T. Parsh,  
Mich. 1910.

Mexico. Dr. Palmer.  
(Received back from New York  
Bot. Garden. This Rose 07/  
213.)

10.65	Manillaria (no. 1)	Collected
	1 specimen	9574
10.66	Manillaria (no. 2)	"
	1 specimen	"
10.67	Manillaria (no. 3)	"
	1 specimen	"
10.68	Manillaria (no. 4)	"
	1 specimen	"
10.69	Gossypium (an island cotton)	9587
10.70	Opuntia (with very long spines)	9588
10.71	Echinocereus (2 plants)	9589
10.72	Manillaria (plant)	
	1 dead	
10.73	Echinocereus (1 plant)	
10.74	Opuntia	9590
10.75	Semairocereus	(381)
10.76	Acanthocereus	2 Dead
10.77	Acanthocereus	2 Dead
10.78	Selenicereus	1
10.79	Pachyrhiza	5
	[With seeds; sent to Agr. Dept.]	

Ciudad Lerdo  
Mexico: Durango, ~~collected by C. Lerdo~~  
 (Received from Dr. R. E. Kuhn)  
 26 April 1910.

Honduras. Sent by T. S. Chaffee

California: Inyo Co., alt. 5000 ft. (estimated)  
 April 24, 1910. A. Davidson & H. E. Haase

New Mexico: Sacramento Mts., Standley May 1, 1910?

" : mesas near Mesilla Park, Standley "

" : Sacramento Mts., Standley "

Arizona: 8 miles due east of Tucson. A. T. MacDougal May 1, 1910.

Mexico, Panuco, S.W. of Tampico  
 Dr. Ed. Palmer # 341

Apr. 30, 1910

# 342

# 373

# 374

# 375

10.80 *Opuntia pulchella* 5 9595

10.81 *Phyllocactus*

10.82 *Erythrina*  
"Pito"

10.83

"Conacaste"

10.84 *Papaya Carica papaya*

10.85 *Echinochloa colona* (L.) Link.

10.86 *Panicum fasciculatum* Sw.

10.87 *Bouteloua bromoides* Lag.

10.88 *Sedum alamosanum* Wats.  
1 ded Br 9600

10.89 *Opuntia chofeyi* Rm 2 9602

10.90. *Opuntia fragilis* 3 9617

Nevada, 1 mi. N.E. of Fallon  
J.B. Headley May 5, 1910.

Green-house plant, Washington, D.C.,  
given to M. Traile by friends in 1909.

Guatemala, Fiscal  
Dean, C.C. June 2, '09

Near Gualan  
Dean, C.C.

" " June 15, '09

" #6322 " June 17, '09

" #6267 "

" #6132 Agua Caliente June 2, '09

Mexico, Sinaloa, Providencia.  
Eugene A. Tays May 14, 1910.

Mexico, Jac., Mazapil  
E. Chaffey May 20, 1910

Montana, Florence.  
Clarence Birdseye May 29, 1910.



- 10.91. *Lophophora williamsii* Coult. 9618  
 10.92. *Echinocactus horizonthalensis* Lem. 3  
 10.93. *Ariocarpus retusus* Schied 2  
 10.94. *Mamillaria elegans* P.D.C. 2  
 10.95. " *radiatus* P.D.C. 2  
 10.96. " *conoidea* D.C. 4  
 2.

- 10.97. *Cactus similis*  
 10.98. *Mamillaria texensis* 1  
 5-

- 10.99. *Neowashingtonia*

- 10.100 *Jatropha*?

Mexico, Zacatecas; Hacienda de Cedros, Marafil. May 26, '10  
 E. Chaffey.

Texas, San Antonio June 3, 1910  
 B. Mackensen #1  
 " " #2

Mexico, Sinaloa San Blas. June 2, 1910  
 "along the coast at altitude of  
 from 2000-4000 ft."  
 Eugene A. N. Tays.

Mexico, Acapulco, Tepic  
 Mr. Weeks [= 14408 Rose]

10.101 *Opuntia fragilis*

9617

10.102 *Mamillaria vivipera*

10.103

1 ded

10.104

10.105 *Gamnia*

10.106 *Selenicereus*

10.107 *Hylocereus*

10.108 *Cereus variabilis*

10.109

10.110 *Orchid*

10.111 *Euphorbia*

10.112 *Yucca*

10.113 *Hechtia*

Montana, Johnson Lake, 18 mi. N. of Culbertson  
Preble, E. A.

Mexico, Tampico  
Dr. Ed. Palmer #499  
#500

June 7, 1910

#501

#502

#503

#504

K

#97

10.114	<i>Echinocactus myriostigma</i>	2	9621
10.115	<i>Mamillaria</i>		
10.116	<i>Echinocactus unguispinus</i> <sup>1 distr.</sup>	3	
10.117	<i>Echinocactus bicolor</i> <sup>Box spec.</sup>	1	
10.118	" " var.	1	
10.119	<i>Echinocactus myriostigma</i>	1	
10.120	<i>Echinocactus</i>	3	

10.121	<i>Opuntia filifera</i> Web.	1	9625
--------	------------------------------	---	------

10.122	<i>Nopalea</i>	1	9627
--------	----------------	---	------

10.123

10.124 *Hylocereus*

10.125 *Acanthocereus*

2

Mexico, Hacienda de Cedros, Zacatecas. June 9, 1910.  
Chaffey, Elwood Marzapil.

Mexico, Oaxaca, Jardin Botánico de la June, 1910.  
Estacion Experimental. C. Corzatti

Mexico, Oaxaca, Jardin Botánico de la June 1910.  
Estacion Experimental. C. Corzatti

Mexico, near Tampico.  
Dr. E. Palmer



10.126 *Lemaireocereus stellata* 1 9628

10.127 *Opuntia* [Herbarium] 1  
"with red flowers"

10.128 *Opuntia* 1  
"with fruits"

10.129 *Opuntia* 3 9629

10.130 *Opuntia* 1 dead destroyed 2 9632  
= 10.89

10.131 *Mamillaria radians* 1

10.132 *Mamillaria radians* 1  
dead specimen

10.133 *Mamillaria radians* 1

10.134 *Mamillaria saltillensis* 1

10.135 *Echinocactus multicoctatus* 1

10.136 *Mamillaria* 1  
dead specimen

10.137 *Mamillaria* 2

10.138 *Mamillaria* 1

10.139 *Mamillaria* 1

Mexico Oaxaca, Jardin Botánico June 1910.  
de las Estacion Agricola Experimental  
C. Corbatti.

South Carolina, Santee Club. June 1910  
L. A. Beckmann.

Mexico, Zacatecas, Mapapul. Hacienda June 27, 1910  
de Cedros. E. Chaffey

10.140 Mamillaria ~~2~~

10.141 Orchid

10.142 Scilla

dead see photo & specimen - Aug 1911

10.143

1 dead

10.144 Ariocarpus retusus

9639

10.145 Mamillaria conoidea

1 destr.

10.146 Mamillaria

10.147 Opuntia leptocaulis

10.148 Mamillaria

10.149 Mamillaria

10.150 Mamillaria

10.151 Mamillaria

10.152 Echinocactus setispinus

9640

Dead & preserved

Africa, Smithsonian African Expedition.  
Edgar A. Mearns. #1080

#1083

#1084

Mexico, Zacatecas Zuloaga Peak July 4, 1910.  
E. Chaffey. 9000 ft.

[From mts. above San Rafael

"

"

]

Texas, San Antonio  
J. L. Lewton

July 1910

10.153 *Ariocarpus Lloydii* Rose.

4

9649

10.154 *Opuntia cereiformis*  
*Gyssonia brachystachya* (Coul.) B & R

4

10.155 *Echinocactus durangensis*

10.156 *Echinocactus unguispinus*

2

10.157 *Echinocactus* "

1

1

10.158 *Opuntia*

9650

10.159 *Mamillaria vivipera*

1

2

10.160 *Hymenocallis*

✓

10.161 *Opuntia*

9655

2

10.162 *Echeveria paniculata*

9656

1

Mexico. "C. Laredo" Durango.

E. Chaffey (see letter of Aug. 10, 1910)

Mexico, Cerro Cyprano, & Cerro de Zapataro July 13, 1910.

C. A. Purpus.  
Loma Blanca, near Movano #508

Cerro de Zapataro, Movano #500

Cerro de Movano, Movano #506

Colorado Wray

H. L. Shantz.

July 1910

West Indies San Dominica.

Said to have been sent by Mr. Barrett.

Montana, Lewis.

M. E. Jones.

Aug. 1910

Mexico, Barranca near Parras

C. A. Purpus.

Aug. 1910



10.163	Mamillaria	4	9634
10.164	Mamillaria	1	
10.165	Mamillaria	1	

10.166.	Ariocarpus lloydii Rose	3	
10.167.	Mamillaria	1	
10.168.	Echinocactus = Echinofossulocactus	1	
10.169.	Echinocactus <sup>n.sp.?</sup> obovatus D.C.	3	
10.170	Opuntia leptocaulis "or near it"	1	
10.171	Mamillaria radians dead specimen	1	
10.172	" "	1	
10.173	" destr.	1	
10.174	" "	1	
10.175	" "	1	
10.176	(No specimen) "	1	

Mexico, near Mexico City, D. F. Aug. 1910.  
A.S. Hitchcock

Mexico - Southern border of Hacienda de Aug. 8, 1910  
Cedros, west of Tanque Union. E. Chaffey  
"Puerto de los Indios", northern  
part of Hacienda  
"west of San Rafael"  
"may be from anywhere [in state]"  
"west of San Rafael"

"  
"  
"  
"  
dead specimen  
"

10.177 *Echinocactus bicolor* Dead

10.178 *Mamillaria*  
[in a cluster]

10.179 *Mamillaria* 9652

10.180 *Mamillaria*

10.181 *Selenicereus*

10.182 *Selenicereus*

10.183 *Selenicereus*

10.184 *Selenicereus grandiflorus*

10.185 *Selenicereus grandiflorus*

10.186 *Selenicereus hamatus*

10.187 *Selenicereus*

10.188 *Selenicereus fulvocomatus*

10.189 *Selenicereus*

10.190 *Selenicereus*

Aug. 8, 1910

"on crest of San Julian Range"

3451 1901

2850 - Rose 05.423 1905

996 Cuba - J. A. Shafer #3999 1910

179 Urava Is. B. of Pan. Howe 1910.

335 Cuba, Madriga N. L. B. #770 1903

335 Cuba. N. L. B. #770 1903

932 Cuba, Sant. de las Veg. C. D. Baker 1907

713 Simon 1901

107 Cuba Shafer #338 1909

351 Cuba, Alto Cedro. Earle 1903

119 Cuba C. Laguna Shafer #2074 1909.

88 Haiti Nash #1504 1905

- |        |  |      |
|--------|--|------|
| 10.191 | <i>Selenicereus murrillii</i>                              | 9658 |
| 10.192 | <i>Hylocereus trigonus</i>                                 | 1    |
| 10.193 | <i>Hylocereus calcaratus</i>                               | 1    |
| 10.194 | <i>Hylocereus</i>  | 1    |
| 10.195 | <i>Werckleocereus tondusii</i>                             | 1    |
| 10.196 | <i>Cereus coccineus</i>                                    | 1    |
| 10.197 | <i>Cereus</i>  | 1    |
| 10.198 | <i>Cereus</i> <sup>on a fallen tree! <u>W. R. M.</u></sup> | 1    |

- |        |  |      |
|--------|--|------|
| 10.199 | <i>Hechtia</i>   | 9677 |
| 10.200 | <i>Echinocactus unguispinus</i>  | 2    |
| 10.201 | <sup>1 det.</sup> <i>Echinocactus bicolor?</i><br>( <u>Not</u> <i>M. radians</i> ) | 5    |
| 10.202 | <i>Mamillaria radians</i>  |      |
| 10.203 | <i>Echinocactus bicolor?</i>   |      |
| 10.204 | <i>Mamillaria nívosa</i>   | 1    |

- |               |  |      |
|---------------|--|------|
| Mexico #31807 | W.A. Merrill   | 1910 |
| #24660        | P.R. B.C. #796   | 1906 |
| #24956        | C.R., Cult. San José - Maxon #5                                | 1906 |
| #27689        | Trinidad - Broadway  | 1907 |
| #24923        | Weinberg   | 1906 |
| #6095         | Simon  | 1901 |
| #25034        | C.R. St. Domingo de San Mateo; alt. about 300 m.<br>Maxon #596 | 1906 |
| #25064        | C.R. San José, Cult. (in court, Museo Nacional)<br>Maxon #717  | 1906 |

Mexico Zacatecas. San Julian Camp 6500 ft Aug. 10, 1910  
 Elwood Chaffey  
 Cerro Blanco Pass 5500 ft.  
 Torey pass, 6500 ft., near San Rafael.  
 "  
 "

N.Y. B. Gard. #21441



10.205

"Sea-eggs"  
Ceiba.

10.206

10.207

Gossypium  
Dead

10.208

Lophophora

9677

3

10.209

Echinocereus viridiflorus

9678

2

10.210

Echinocereus viridiflorus

3

10.211

Mamillaria

1

10.212

Opuntia

1

10.213

Opuntia

2

10.214

Ipomea  
Dead seeds

10.215

Turnera  
Dead seeds.

10.216

Opuntia

Mexico, near Tampico, La Barra.  
Dr. Edward Palmer

1910.

#103

"near Tampico"

#459

"island near Tampico."

Mexico, Zacatecas, Hacienda de  
Cedros, Mex. E. Chaffey.

Aug. 18, 1910

Texas, Amarillo.

Aug. 23, 1910

C. R. Ball # 1613

" # 1614

" # 1615

" # 1616

# 1617

Mexico, near Tampico.  
Dr. E. Palmer

Jan. 1910

" # 1

Nevada, Fallon, 20 miles E. of,  
H. B. Headley

Aug. 24, 1910

10.217	<i>Opuntia fragilis</i>	✓	9678
10.218	<i>Opuntia</i> ?	✓	
10.219	<i>Opuntia</i> 1 destr.	✓	

10.220	<i>Opuntia polyacantha</i>	✓	9678.
10.221	<i>Opuntia tortuosipina</i> ?	✓	

<del>10.222</del>	<del><i>Opuntia eichlamii</i> Rose.</del>	<del>✓</del>	<del>9684</del>
10.222	<i>Echinocactus durangensis</i>	✓	
10.223	<i>Echinocactus horizonthalonius</i>		
10.224	<i>Mamillaria conoidea</i>		
10.225	<i>Mamillaria tuberculosa</i> = 10178 1 destr.		

10.226.	<i>Opuntia eichlamii</i> Rose	5	9685
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Texas, Amarillo	Aug. 31, 1910
C. R. Ball + Townsend #1660	"
" #1661	"
" #1662	"

Texas, Amarillo #1676	Sept. 2, 1910
C. R. Ball	
#1677	

Guatemala	Aug. 6, 1910.
F. Eichlam	
Mexico, Zacatecas	
E. Chaffey #1	
#2	
#3	
#4	

Guatemala	Aug. 6, 1910.
F. Eichlam	

10.227 *Opuntia fusco-atra* Engelm. 9693  
1 <sup>idea</sup>

10.228 *Mamillaria wislizenii* Hildb.

10.229 *Mamillaria tuberculata*? 9694  
1 <sup>destr.</sup>

10.230 " "

10.231 *Arisocarpus lloydii*

10.232 " "

10.233 *Mamillaria*

10.234 *Echinocactus multicostratus*

10.235 " *myriostigma*

10.236 *Mamillaria greggii* ???

10.237 *Echinocactus durangensis*  
*Mamillaria durangensis*

10.238 *Phyllocactus* 9695  
3

10.239 *Harperella bulbosa* Rose sp. nov.

Texas, Altair, Colorado Co.  
Miss S. L. Doubt.

Sept. 1910.

Mexico, Zacatecas, Marapi  
Elwood Chaffey #16  
#17

Sept. 1910

#14

#15

#11

#12

Durango, C. Lerdo. #20

" #19

" #20

South Carolina, Sumter  
- D. James Winn

Oct. 3, 1910

Maryland, on Potomac R., above  
Hancock. J. M. Rose Oct. 5, 1910



10.240 *Echeveria hoveyi* (Rose) 9699

10.241 *Crœcentia*  
(Seeds)

10.242 *Leuchtenbergia princeps* 9700  
(see Chaffey's letter of 11/3/10)

10.243 *Mamillaria saltillensis*

10.244 *Echinocactus bicolor*

10.245 *Ariocarpus lloydii*

10.246 " *kotochenbuganus*

10.247 " *lloydii* Rose

10.248 *Echinocactus durangensis*

10.249 *Ariocarpus fissuratus*

10.250. *Opuntia*

10.251 Orchid 9705

10.252 *Cereus martinii*

Missouri, St. Louis; in cultivation. Oct. 1910  
A. G. Greiner

Mexico, near Tampico 1910  
Dr. Edward Palmer #434

Mexico, Zacatecas, Sierra de Yaso Oct. 1910  
Elwood Chaffey, #24  
#21 - Plains near Fuertes Sta., Zac.

#22 Road to Torey Pass above San Rafael

#25 near San Miguel "

#26 Mazapil "

#28 near San Miguel "

#29 (= #1) " "

#27 - Northern border of Hacienda "

Illinois, Arewsville, Cars Co. Aug. 15, 1910  
E. S. Steele

China, Nanking. Plants from Kihang, Fukien. 1910.  
Wm. Millward

Washington Botanical Gardens. Oct. 1910.

10.253 *Cereus bonplandiana*  
(large red fruits)

<sup>Dead</sup> 10.254 <sup>Destroyed</sup> *Epiphyllum guatemalensis* Britton & Rose 9712

<sup>Pachy</sup> 10.255 *Cereus lepidanthus* Eichlam 2.  
4.

10.256 *Echeveria coccinea* <sup>Dead</sup> 1. 9714

10.257 *Mamillaria senilis* 4 9715

10.258 *Mamillaria bombycina* 4  
2

10.259 *Echeveria imbricata* (Rost) 2

10.260 *Echeveria mucronata* x *subrigida* 2

10.261 *Mamillaria Emckötteriana* Quehl 1

10.262 *Echinocereus caespitosus* 9716

10.263 *Opuntia macrorhiza*

Washington Botanical Gardens. 1910

Guatemala 1910  
P. Eichlam

Mexico 1910.  
C. R. Orcutt

Belgium, Contich. June 10, 1910.  
Frantz De Laet.

Washington Botanical Gardens. 1910

Natural hybrid which developed  
in Botanical Gardens in 1910.

Germany  
L. Quehl.

Texas, Sutherland Springs Oct. 1910  
B. Mactensen  
" San Antonio

10.264 *Opuntia roseana* Mackensen  
10.265 *Opuntia leptocarpa* Mackensen

10.266 *Echinocactus Lloydii* Rose. 9717  
R

10.267 *Cereus* 9720  
1 dead destroyed /

10.268. *Echinocactus*  
1 destr. /

10.269. *Echinocactus* /

10.270. *Opuntia*  
1 destr. /

10.271 *Opuntia*

10.272 *Opuntia*

10.273 *Opuntia*

10.274 *Opuntia*  
(dead (herb. spec.))

10.275 *Phyllocactus* (*Epiphyllum*) *gaertneri* 9721  
~~*Syngonium*~~

10.276 *Phyllocactus strictus*

Texas, Kerrville Oct. 1910.  
B. Mackensen

Mexico, Zacatecas, Mazapil. Oct. 15, 1910  
Elswood Chaffey # 30

South America, Peru. From a 1910.  
rocky hill, back of the Hacienda  
Roma, in the Valley of Chicama,  
north of Trujillo, Peru.  
Ales. Hollicka.  
From Argentina.

From the Missouri Botanical Garden. Oct. 28, 1910  
Wm Trelease, Director



10.277. *Opuntia*

10.278. "

Dead

10.279 "   
 1 sp. ded.

10.280 *Astrophytum myriostigma*

9728

10.282 *Mamillaria durangensis*

(?) 1 sp. ded.

10.281 *Mamillaria minima!*   
 1 destr.

10.283 *Opuntia*

9730

10.284 *Mamillaria chaffeyi*?

9735   
 ~~9728~~

10.285

"

"

10.286

"

(not *lloydii*)

10.287

"

*chaffeyi*

10.288 *Echinocactus unguispinus*

10.289 *Mamillaria*

Florida, Houston

W.L. McAbtee

#686

St. Vincent Id.

#1775

Oct. 28, 1910

Oct. 31, 1910

"

#1753

ded.

Oct. 30, 1910

Mexico, Durango, Lerdo.

E. Chaffey #31

#32

Oct. 30, 1910

#33

Mexico, Oaxaca, Tomellin Cañon

C. Cowzatti.

Oct. 20, 1910

Mexico, Iguatecas.

Elwood Chaffey

#5

#6

Oct. 30, 1910

#7

#8

- 10.290 *Mamillaria*, near *radians* 9728  
 10.291 *Mamillaria*, near *lloydii* 9735  
 10.292 " *leona* Poselger.  
 10.293 " (not *greggii*)  
 10.294 " *greggii*

- 10.295 *Tillandsia* 9737  
 " " *"Asar"*  
 10.296 " *"Liga"*

- 10.297 *Tumamoca macdougalii* Rose. 9739  
 10.298 *Cissus*

- 10.299 *Leptocereus maxoni* 9741  
 10.300 *Selenicereus* 9±  
 10.301 "

Pusa de los Angeles, Zac.

#34

#35

#36 = #19

#37

South America, Dean Funes, Santiago de Estero  
 Dr. Bailey, Willis, collector  
 Parasites, or epiphytes on  
 bush.

Arizona - Tucson, Desert Lab.  
 D.T. MacDougal.  
 Santa Catalina Mts.

Cuba - Santiago de Cuba  
 Jennings S. Cox.

Oct. 20, 1910.

10.302 *Tillandsia*  
(with 10.295 appar. diff.)

10.303 *Altamiranoa calcicola* <sup>Ken</sup>  
<sup>Br</sup>  
lutea Rose sp. n. R.

10.304 *Echeveria humilis* (Robinson & Greenman) Rose  
/

10.305 *Rhipsalis jamaicensis* 9751

10.306. " *alatus*

10.307 *Lenophyllum*

10.308 *Echeveria*

10.309 *Sedum*

10.310 *Phyllocactus* <sup>*Dioscactus Eichlamii*</sup>  
<sup>H. Sp.</sup> 9754

10.311 *Phyllocactus grandis*  
1 dead destroyed

10.312 " *crenatus*

10.313 *Epiphyllum guatemalensis* Britton & Rose  
1 dead destroyed Dead

Mexico, San Luis Potosi, San Rafael Nov. 1910.  
C. A. Purpus # 801  
" # 800

Jamaica NYBG # 28810 1907  
N. L. Britton.  
NYBG # 28812 1907  
N. L. Britton # 1583

Mexico  
C. A. Purpus # 802  
# 803  
# 804

Guatemala Nov. 13, 1910.  
H. Eichlam



10.314 *Werckleocereus glaber* (Eich.) 9754

10.315 *Rhipsalis* <sup>1 dead destroyed</sup>  
<sub>n. destr.</sub> n. sp.

10.316 *Opuntia setispina* 9753  
<sub>destr.</sub>

10.317 *Mamillaria conoidea*

10.318 " *tuberculata* ??

10.319 *Opuntia rutilis* Engelm. 9752

10.320 *Mamillaria radiosa chlorotica* Coet.

10.321 *Opuntia* 9755  
<sub>(small), destr.</sub>

10.322 *Opuntia*

10.323 *Echinocereus delacii* Gürke.

10.324 " *purpusi* Rose, n. sp.

10.325 *Ariocarpus kotochenbuanus*

10.326 " *retusa*

10.327 *Echinocactus grusoni*

Guatemala J. Eichlam

Mexico E. Chaffey #39  
#40  
#41 = #16

Utah, Washington Co. 20 mi. N. of Oct. 1910  
St. George. C. N. Ainslee

Louisiana Cameron. Dec. 3, 1910  
W. L. Meatee #1955  
#1956

Mexico Sierra de la Paila, Coah. #  
C. A. Purpus #  
Minas de San Rafael, S. L. P.  
#22  
Near Marte Station, Coah.  
#13  
Sierra de la Paila, Coah.  
Minas de San Rafael  
#10

- 10.328 Echinocactus
- 10.329. " capricornus, var.
- 10.330 " hexaedrophorus Lem.  
=05,478
- 10.331 " bicolor
- 10.332 "
- 10.333 Coryphantha, dead destroyed
- 10.334 "
- 10.335 "
- 10.336 "
- 10.337 Echinocactus <sup>1 destr.</sup>
- 10.338. Coryphantha
- 10.339. Mamillaria <sup>Dead & preserved</sup>  
<sup>Dead & preserved</sup>
- 10.340 "
- 10.341. " caput medusae
- 10.342 "

- Mexico Near Filipinas, Coah.  
C. A. Purpus - # 21  
Sierra de la Paila
- Minas de San Rafael, S.L.P.  
# 15.
- Villareal, Coah.  
# 5.
- Minas de San Rafael.  
# 2
- "  
# 14
- Villareal, Coah.  
# 12
- Cerro Bola, near Paila, Coah.  
# 4
- Sierra de Parras
- Minas de San Rafael, S.L.P.  
# 20  
# 1
- Cerro de Cypriano, Moctemo
- "  
# 8
- Minas de San Rafael  
# 17
- "
- Sierra de Guascama  
# 3
- Sierra de la Paila  
# 19.

10,343 *Mamillaria chionocephala*

10,344 " *candida*

10,345 "

10,346 " *Scheuchzeria Chrenb.*

10,347 "

10,348 *Leuchtenbergia princeps*

10,349 *Echinocactus*

10,350 <sup>*Ashyristum*</sup> " *myriostigma*

10,351 *Cephalocereus* ✓

10,352 "

10,353 *Pachycereus pecten-aboriginum*

10,354 *Opuntia*

9770  
3 *Dead*

10,355. *Martynia* ✓

(Note: -10.356-499 omitted)

Mexico, Sierra de Parras.

Minas de San Rafael.

C. A. Purpus #18

" " "

#16

" "

#10

Sierra Prieta near Parras.

#6

Sierra de la Paila

"

#11

Minas de San Rafael.

Mexico, Batopilas.

Texas, Lake Surprise, near Galveston, Dec. 16, 1910  
W. L. McAttee #1977

Arizona, Yuma.  
From O. F. Cook



10.500 *Hyllocereus*

10.501 "

10.502 "

10.503 "

10.504 "

10.505 "

10.506 "

10.507 "

10.508 "

10.509 "

10.510 "

10.511 "

10.512 *Selenicereus* <sup>pteryanthus (L.) HBK</sup> <sub>nycticalus HBK.</sub>

10.513 *Opuntia*

10.514 " *triacantha* <sub>1 sp. destr.</sub> Deser.

*My. Bot. Gard.* 22197

" 24958

" 24578

" 2504

" 2496

" 7325

" 9722

" 11997

" 24671

" 25064

" D

" R

Obtained by M. Fraile from the  
*My. Bot. Gard.* in 1904.  
California, Mt. Wilson, D.T.  
Mac Dougal. 1906. *My. Bot. Gard.* #25333  
Monteserrate, W.I. " #26079  
1907

10.515 *Opuntia triacantha*  
10.516 " *Lindheimeri* 1 ded

10.517  
10.518 *Asclepiadaceae*  
*Weberocereus Biolleyi*  
10.519 *Werckleocereus Tonduzii*

10.520 *Dasyliroton*

10.521 *Agave*

10.522 "

10.523 "

10.524 " *Houghii* ?

10.525 "

10.526 "

10.527 "

10.528 "

West Indies Montserrat. NYBG #26073  
Roches 1907

Fairmont Park, Phila., Pa.

NYBG 9916  
" Asia & Kapo R. (Rubber?) "

H. Pittier "H" Probably  
" "V" from  
Costa Rica

Marked "07.44" in Greenhouse.  
Record wrong.

Marked "710" in Greenhouse.  
Record wrong.

Marked "16197" in Greenhouse.  
Record wrong.

Marked "07.471" in Greenhouse.  
Record wrong.

Marked "698" in Greenhouse.  
Record wrong.

Marked "743" in Greenhouse.  
Record wrong.

Marked "426" in Greenhouse.  
Record wrong.

Marked "678" in Greenhouse.  
Record wrong.

Marked "696" in Greenhouse.  
Record wrong.

- 10.529 Agave  
 10.530 "  
 10.531 Opuntia  
 Platan.  
 10.532 Agave  
 10.533 Trichocereus spachianus  
 10.534 Opuntia aurantiaca  
 10.535 " Dillenii

Markt "10200" in Greenhouse

Markt "10203" in Greenhouse.

Markt "3454" in Greenhouse.

Texas, Guadalupe mts.

V. Bailey #717

Nybl. Gard. 9725

G.E. Barre 1901

"C.T."?

Nybl. looks like #9898.

Dominica, Brit. W.I.

Nybl. 21850

F.E. Lloyd 1903

1904.



1910

1910.

Rose, Standley, and Russell.  
Feb. - April. Collectors.

- 10.1001 *Echinocereus*  
Said to have large red fls.
- 10.1002 *Mamillaria*
- 10.1003 *Echinocereus*  
= 12215 Common
- 10.1004 *Opuntia*  
= 12216.
- 10.1005 *Opuntia*  
= 12217
- 10.1006 *Notholaena serrata integrina*  
Ded. & destr.
- 10.1007 *Mamillaria tuberculosa*
- 10.1008. *Echinocereus*  
2 destr. = 12220
- 10.1009 *Echinocereus*  
= 12219
- 10.1010 *Mamillaria heydeni*
- 10.1011 *Opuntia macrocentra*  
Very common
- 10.1012 *Opuntia*
- 10.1013 *Mamillaria grahami*  
1 destr.
- 10.1014 *Mamillaria rodiasa*

Big Spring, Texas. 2-23-1910.  
(Cultivated - said to come from Pecos region!).

"	"	"	"
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11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474
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Sierra Blanca, Texas.  
On rocky hills.

" " "

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h " "

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" " " " "

1. 11 11 11

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100



10.1015 *Manellaria* ~~macronema~~ <sup>macronema</sup> var

10.1016 *Echinocactus longispinus*

10.1017 *Stenotaphrum*

10.1018 *Stenotaphrum*

10.1019 *Stenotaphrum*

10.1020 *Stenotaphrum*

10.1021 *Manellaria macronema*

10.1022 *Stenotaphrum*

10.1023 *Stenotaphrum*

Dead - see herb.

10.1024 *Stenotaphrum*

10.1025 *Stenotaphrum*

10.1026 *Echinocactus intertextus*

10.1027 *Echinocactus*

destr.

Dead & destroyed

*Stenotaphrum*

2-2-1910

200

*Stenotaphrum*

2-2-1910

*Echinocereus chloranthus*

10.1043	Mamillaria grahami	= 12277
10.1044	Opuntia grahami	= 12276
10.1045	Opuntia filifendula 1 destr.	= 12294
10.1046	Opuntia tenuispina	= 12277
10.1047	Opuntia	= 12297
10.1048	Opuntia	
10.1049	Echinocereus fendleri	= 12308
10.1050	Mamillaria arizonae	= 12304
10.1051	Opuntia	= 12312
10.1052	Opuntia	= 12314
10.1053	Mamillaria grahami	= 12315
10.1054	Opuntia	= 12316
10.1055	Opuntia	= 12317
10.1056	Opuntia	= 12318

El Paso, Texas

2-26-1910

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Benson, Arizona

3-2-1910

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|---------|------------------------------|-------|
| 10-1085 | Mammillaria (spine straight) | 12549 |
| 10-1086 | Mammillaria (hooked spine)   |       |
|         | 1 dead destroyed             | 12508 |
| 10-1087 | Echinocereus                 | 12510 |
| 10-1088 | Opuntia Russelliana          |       |
|         | 2 dead destroyed             | 12572 |
| 10-1089 | Iberulia sonora              | 12618 |
| 10-1090 | Mammillaria                  |       |
|         | hooked spine                 | 12772 |
| 10-1091 | Opuntia                      |       |
|         | cylindrical stems            | 12853 |
| 10-1092 | Mammillaria standleyi        |       |
|         | Dead specimen                | 12849 |
| 10-1093 | Mammillaria                  |       |
|         | spine straight               | 12773 |
| 10-1094 | Cephalocereus                | 12886 |
| 10-1095 | Cereus                       | 13039 |
| 10-1096 | Opuntia Russellii            | 12771 |
| 10-1097 | Agave                        | 12847 |
| 10-1098 | Agave                        | 12771 |

Guaymas, Sonora

3-11-1910

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Empalme, Sonora

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Lamas, Sonora

3-12-1910

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10 1099	<i>Echinocactus alamosanus</i>	= 12750
10 1100	<i>Tillandsia</i> <u>Ded</u>	= 13061
10 1101	<i>Tillandsia</i>	= 13082 <sup>4</sup>
10 1102	Orchid	= 13042
10 1103	<i>Mamillaria</i> 1 destr.	
10 1104	<i>Mamillaria</i>	
10 1105	<i>Selaginella</i>	
10 1106	<i>Hemora bracteata</i>	
10 1107	<i>Opuntia</i>	
10 1108	<i>Rathbunia</i>	
10 1109	<i>Echinocereus</i>	
10 1110	<i>Manfreda</i> <u>Ded. &amp; destroyed</u>	
10 1111	<i>Sedum alamosanum</i> Wats.	
10 1112	<i>Agave</i> cultivated	

[illegible]

10.1113 *Cereus*  
*Echinocereus latissimus* var.

10.1114 *Vitis*

10.1115 *Cissus*

10.1116 ?

10.1117 *Mammillaria*  
1 destr.

10.1118 *Euphorbia*

10.1119 *Ipomoea*

10.1120 *Opuntia*

Dead

10.1121 *Cucurbit*

= 13306

10.1122 *Tillandsia*

= 13305

10.1123 *Echinocactus*  
1 destr.

= 13304

10.1124 *Pereskia*

= 13303

10.1125 *Mammillaria*  
~~*Echinocereus*~~

= 13302

10.1126 *Echinocereus*

Dead  
13301

*Clusia* *Souma*

3-19-1910

"

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"

*Hesperis* *Souma*

3-21-1910

1 destr.

"

"

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*Ipomoea* *Trinitaria*

3-23-1910

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10.1127 *Cereus* <sup>oculoplatis 1878.</sup> ~~variegatus~~

10.1128 *Cereus*

10.1129 *Pereskia*

10.1130 *Cucurbitaceae*

10.1131 *Cucurbitaceae*

10.1132 *Cucurbitaceae*

10.1133 *Selenicereus vagans*

10.1134 *Cephaelis*

10.1135 <sup>1 destr.</sup> *Mamillaria mazatlanensis*  
<sup>1 destr.</sup>

10.1136 *Rathbunia*

10.1137 *Cereus* 1 dead destroyed

10.1138 *Hylocereus purpureus*

10.1139 <sup>Ded.</sup> *growing in water*

10.1140 *Heliconia*

= 13773

= 13747

Dead

= 13749

= 13775

= 13758

= 13712

= 13712

San Blas, Sinaloa.

3-24-1910

" " "

" " "

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Mazatlan, Sinaloa

4-3-1910

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11.11



10.1141	Tillandsia	
10.1142	Pereskia	
10.1143	Commelina	= 13971
10.1144	Oreana	
	seeds	= 14006
10.1145	Passiflora	= 13670
10.1146	Cypripedium	
	1 destr.	= 13868
10.1147	Cypripedium	
		= 14172
10.1148	Cypripedium	
		= 13707
10.1149	Bromelia	
10.1150	Cereus vanderburgii	
10.1151	Tachyphya	
		= 14118
10.1152	Nyctaginia	
		= 13866
10.1153	Commelina	
10.1154	Orchid	

Magatlan, Serialia		6-3-1910
"	"	"
Villa Union	"	"
Magatlan	"	4-4-1910
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"
Pescario, Linares		21-11-1910

10.1155 Tillandsia

10.1156 Tillandsia  
*Ded*

10.1157. Yopalea

10.1158 Orchid

10.1159 Tillandsia

10.1160 Tillandsia

10.1161 Pereskopsis

10.1162 Opuntia

10.1163 Opuntia

10.1164 Opuntia

10.1165 Cissus

? 65

10.1166 Chioscenus fendleri

10.1167 Mammillaria grahamii  
*destr.*

10.1168 Opuntia arizonica

10.1169 Opuntia

San Juan, Sinaloa

4-12-1910

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Guadalupe, Sinaloa

4-19-1910

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Chilpancingo, Sinaloa

4-22-1910

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Magdalena, Sonora

4-25-1910

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10-1170 Mammillaria heyderi

10-1171 ~~Cereus~~ <sup>Nyctocereus</sup> repentinus

10-1172 Mammillaria

10-1173 Opuntia allairei

10-1174 Iberoella

10-1175

10-1176 Rastbunia

10-1177 Hymenocallis

10-1178 Ipomoea

10-1179 Ipomoea

10-1180 Ipomoea

10-1181 Ipomoea

10-1182 Ipomoea

10-1183 Ipomoea

10-1184 Ipomoea

Magdalena, Sonora

4-25-1910

"

"

"

Tucson, Arizona

from Empire Ranch Crenga, Apr. 1910

from San Antonio, Texas (Allaire)

Laboratory Hill

Guaymas, Sonora

4 - - 1910

Culiacan, Sinaloa.

4 - - 1910.

Mazatlan, Sinaloa.

Presidio, Sinaloa.

Mazatlan, Sinaloa

Presidio, Sinaloa.

"

"

San Blas, Sinaloa

"

"



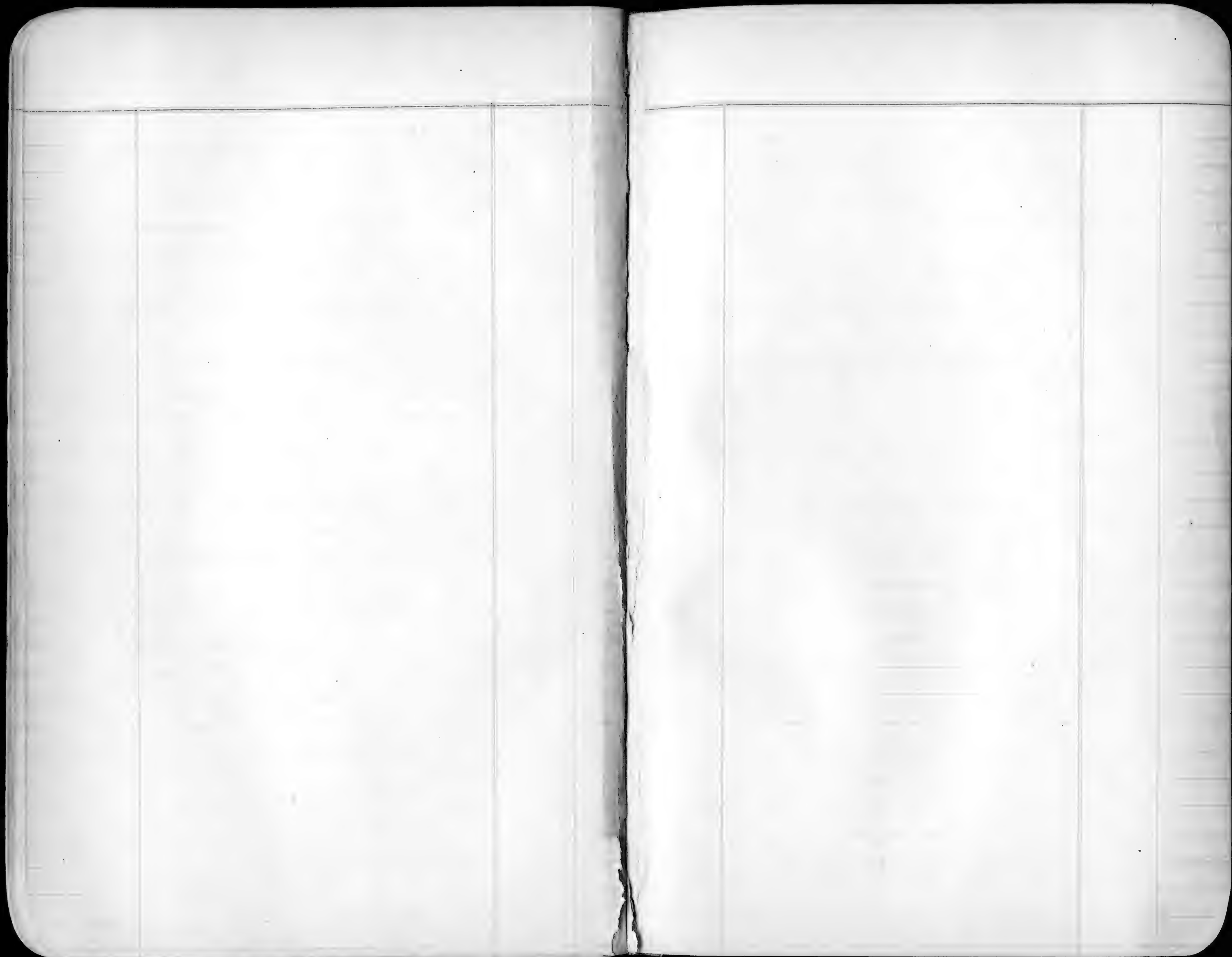
10.1185	Ipomoea	
10.1186	Ipomoea	
10.1187	Ipomoea Snygos	
10.1188	Ipomoea	
10.1189	Ipomoea	
10.1190	Phaseolus	
10.1191	Cardiospermum	12602
	Seeds	
10.1192	"	13194
	"	
10.1193	"	14023
	"	
10.1194	Soap-tree plant	12322
10.1194	Cucurbita	
10.1195	"	
10.1196	"	14051
10.1197	"	14491

Alamos, Estado Sonora.	3-1910.
Culiacan, Sinaloa	
" "	4-21-10
Rosario, Sinaloa.	4-15-1910.
" "	"
Culiacan	"
Bought in market	
Guaymas, Mex.	Apr. 1910.
San Blas, Mex.	
Matatlan, Mex.	4-4-1910.
Bought in Ciudad Juarez, Mex.	3-1-1910.
Mexico, San Blas.	
" Culiacan	
" Matatlan, E: of town	4/4/1910
" Acaponeta, dry hills	4-12-1910

101198

fem

Alamos Jax.





~~15145~~ - ~~15207~~

























Barometer Readings.

























## Temperature Readings

March A.M.

P.M.

4 74°

2 P.M. - 78.5° F.

5 66°

4 P.M. - 80°

6 67°

— - 80°

7 66°

— - 80°

8 64°

— —

9 67°

— 74°

16 5.30 P.M. - 87°

17 3.00 P.M. - 84°

18 - 8 A.M. 72° - 3.00 P.M. - 77°

19 - 7.30 A.M. 67° - - 74°

20 -



United States  
National  
Herbarium.  
1911.

11.1 *Oxalis stricta*  
(seeds)

11.2 *Opuntia* 9792

11.3. " *lindheimeri* Engelm.

11.4 " *fusco-atra* Engelm.  
<sup>1 destr.</sup>

11.5 " *lindheimeri* Engelm.

11.6 "

11.7. *Phyllocactus* ~~Dead~~ 9793

11.8. "

11.9 *Echinocactus scheerii* 9794

11.10. *Mamillaria nickelsii*

Michigan, Ann Arbor. In ex- Dec. 26, 1910.  
periment garden. Henry Hus.

Texas, Matagorda Dec. 23, 1910.  
W.L. McOtee # 1979  
Rockport Dec. 26, 1910  
# 1980

" # 1981

# 1991

# 1992

Germany, Grossh. Botanischer Garten, Dec. 1910.  
Darmstadt; J.A. Purpus.

Texas Laredo.  
Dr. R.E. Kunze.

11.11. *Cereus* 9795  
2  
11.12. " 2  
11.13. " 4

11.14 *Cereus* 9795  
2  
11.15. " 5+

11.16. *Selenicereus grandiflorus*? 9796  
= 07,577 *donkelaaria* dead  
aen

11.17 *Phyllocactus gaillardae*? 9808

11.18 *Acanthocereus*

11.19 *Hylocereus*

11.20. *Cereus* nsp.

Costa Rica, Museo Nacional  
San José Recd. Jan. 23, 1911.

Costa Rica, Museo Nacional,  
San José. Recd. Jan. 24, 1911.

California, Kearney Park, Fresno Co. 1-23, 1911.  
J. T. Beards,

Panamá, Colón, Porto Bello.

H. Pittier  
Culebra C.Z.  
Col. Gaillard  
Alhajuela, Chagres Valley,  
H. Pittier

"

"



11.21 *Phyllocactus alexandrina* 9797

11.22 " *roseus superbus*  
2 destr.

11.23 *Opuntia senilis*  
1 destr.

11.24 " " (leaf)

11.25 " *cylindrica* <sup>subulata</sup>

11.26 " *florida*

11.27 *Pilocereus dautwitzii*

11.28 *Mamillaria missouriensis*

11.29 " *spinosissima*  
1 destr.

11.30 *Weberocereus* 9809

11.31 ~~*Hyphaene*~~ *panamensis*

11.32 *Cereus triangularis*?  
*Hyphaene*

"Germany, imported"

Sent by Arthur Kuester from  
Staten I., N.Y. in cultivation."

"Arizona, Tucson."

"Texas, garden"

"Mexico."

Canal Home, Agua Clara Reservoir, near Gatun Feb. 8, 1911.  
W.R. Maxon #4646

#4667

Ancon

#4689

11.33 Selaginella

9887

11.34 Opuntia

9799

5±

11.36. Rhipsalis

9809

9799

2

11.37. Mamillaria

9803

11.38 Mamillaria implexicoma

9802

Dead specimen

11.39. Cereus

2

11.40 <sup>Hylo</sup> Cereus

11.41 " "

11.42 " "

Mexico, Zacatecas, Hacienda de Cedros  
Elwood Chaffey.

Florida, Terra Ceia.  
T. P. Robinson

Canal Zone, Culebra #4852  
W. R. Maxon

Arizona, Phoenix  
Dr. R. E. Kunze

California, Kearney Park.  
J. T. Beards.

Feb. 21, 1911.

Mexico, Oaxaca  
C. Conzatti.

March, 1911.

~~Canal Zone~~ Isla Parida, off Pedregal March. 2, 1911.  
(the port of David), Chiriqui, Panama  
25 Feb. 1911.  
W. R. Maxon #4903,  
#4904.

#4905.

11.43 *Opuntia*  
(= 11.1028)

Dead  
9820

11.44 *Tissa*

2  
1 ded.

11.45

11.46 *Dudleya*

11.47 *Leuchtenbergia*

9821

11.48 *Mamillaria*

11.49. *Mamillaria emskötteriana* Reuhl. 9824

11.50 *Cereus*

9822

3

11.51 *Opuntia*

9832

3

11.52 *Phyllocactus*

9835

Lower California, Guadalupe Island.  
J. N. Rose

#27

Mexico, Zacatecas, Cedros.

E. Chaffey #44  
Coahuila, 20 miles S.E. of Tiesca  
#45

Germany, Halle (Saale)

L. Reuhl - in cultivation.

Florida, Terraceia

T. R. Robinson

March, 1911.

Porto Rico, Rio Piedras

John R. Johnston.

March 31, 1911.

Panama

W. R. Maxon 4719.

Recd. 4-8-1911.



11.53 *Mamillaria pseudoperbella* Quelt. 9838

11.54 *Mamillaria* 9844

11.55 *Mamillaria* 1

11.56 *Opuntia* 2

11.57 *Mamillaria* 1  
(1 cluster)

11.58 Bulbs. 1 sp. ded. 9843

11.59 *Opuntia davisii*

11.60 *Nopalea auberi*

11.61 " *coccinilifera*  
1 sp. ded. + destr. 1 sp. destr.

11.62 *Opuntia* Dead

11.63 "

Germany.

Received 4-26-1911.

New Mexico, Stinking Lake.  
W. W. Eggleston #6428  
#6429

Apr. 20, 1911

#6430.

Tierra Amarilla Apr. 24, 1911.

Mexico, Zacatecas Mazapil.  
E. Chaffey

New Mexico, Nara Visa  
Geo. L. Fisher #99

May 5, 1911.

Holbrook  
N.Y. Bot. Gard. #9890

1901.

Panama

Cowell  
N.Y. Bot. Gard. #22199a

California, Pala Schaller  
N.Y. Bot. Gard. #30896

1909

" Schaller #239 - N.Y. Bot. Gard. #30925

1909



11.64 *Maihuenia poeppingii*  
*Dead or preserved* *Berger Kew*

11.65 *Rhipsalis* ? *Nittha*?

11.66 *Opuntia*  
*1 dead destroyed*

11.67 *Mamillaria fordii*

11.68 *Opuntia* 3

11.69 *Mamillaria dioica* 8

11.70 *Echinocactus limitus* 6

11.71 *Bergerocactus emoryi* 6

Chile S.P.D. #30496.  
J.D. Husbands April 13, 1911.

Panama, S. slope Cerro de la March 19, 1911.  
Horqueta, Chiriqui. W.P. Maxon 5554

South Carolina, Charleston Co., May, 1911.  
Forcher's Bluff.  
E.A. Mearns

Missouri Botanical Gardens  
103/04.

Illinois, 4 miles N. of Waukegan. June 13, 1911.  
D. Graenicher

Northern Lower California, Mexico, June 8, 1911.  
near San Diego, Cal.  
C. R. Orcutt.

11.72 *Cereus bonplandiana*

11.73 " *tortuosa*

11.74 *Mamillaria*

11.75 *Yucca* <sup>4</sup>  
Dead  
<sup>4</sup>

11.76 *Phyllocactus*  
(S.R. 29902) = Maxon 1832.

11.77 *Opuntia dillenii*

11.78 *Leptocereus quadricostatus* Britt & Rose  
(Died 7-7-11)

11.79 *Cephalocereus royeri* Britt. & Rose

11.80 " " (seeds of 11.79)

11.81 *Selenicereus hainatus*

From the Washington Botanical June 19, '11  
Gardens. J. V. Rose.

New Mexico, Des Moines  
P. C. Standley #6207

#6208.

Panama, Canal Zone, forest along Indio de Feb. 14, 1911.  
W. R. Maxon. Gatun.

Porto Rico, Santa Isabel  
John R. Johnston

June 9, 1911.

N.Y. Bot. Gard. 51678 - "from Mr.  
Childs, 1899".

11.82 *Opuntia prolifera*  
1 destr. 1 dead, destroyed  
11.83 " *hassei* 1 dead, destroyed Dead

11.84 *Opuntia*  
1 destr.

11.85. *Villadia*

Dead  
11.86 *Sedum*  
= 10.303

11.87 *Echeveria*, near *E. glauca*.  
Dead

11.88. " *humilis* Rose.

11.89 *Opuntia vulgaris*  
(Seeds)

11.90 " " "

11.91 " " "

11.92 *Cereus*  
(dwarf) " "

California, Newport, Orange Co. June 23, 1911.  
H. E. Hasse.

Washington, Oroville. June 26, 1911.  
Marcus E. Jones

Mexico, near Guascama.  
C. A. Purpus.  
Minas de San Rafael

Hills near Esperanza  
Minas de San Rafael.

Chile  
Sent from Univ. of California July 4, 1911.  
by J. T. Beares.



- 11.93. *Cereus*  
 (dwarf) (Seeds)  
 11.94. " " "  
 11.95. " "  
 11.96. " "  
 11.97. " "  
 11.98. *Opuntia vulgaris* "  
 11.99. *Opuntia*  
 1 destr.  
 11.100. *Cereus*  
 1 destr.  
 11.101. *Opuntia Kleiniae*?  
 11.102. *Echinocereus*

Chile, Sent by J.T. Beards  
 from the University of Cali-  
 fornia. July 4, 1911.

Florida

Chile

New Mexico, near Agricultural College 7/4/11.  
 P.C. Standley.

New Mexico, Sandia Mts.  
 Collected by Paul Elles in  
 1910.



11.103 *Mamillaria nickelsae*

2

11.104 *Pereskopsis kellermanni*

1 dead

11.105 *Phyllocactus*

1 dead, destroyed

11.106 *Rhipsalis*

1 dead, destroyed

11.107 *Mamillaria*

11.108 *Opuntia*

2 destr.

11.109 ~~*Hylocereus*~~ *weberocereus Pittieri* n. sp.

11.110 *Phyllocactus*

11.111 *Mamillaria durangensis*

2

Texas, Laredo

Sent by Dr. R. E. Kunze

July, 1911

Guatemala

F. Eichlam

Texas, Tulia

Miss Nellie Standley

Panama, Rio Fato Valley, above Noma  
H. Pittier '393 (bre de Dios

#3947

Mexico, Durango, Lerdo.  
E. Chaffey.

July 6, 1911.

11.112 *Hylocereus* 1  
 11.113 *Hylocereus* 2  
 11.114 *Agave wercklei* 3  
 11.115 *Phyllocactus* 7  
 1 dead, destroyed.

11.116 *Selenicereus*  
*Cereus fulgidus*

11.117 *Echeveria lutea* Rose, sp. nov.  
 L.H.B.

11.118 *Opuntia spegazzinii* 1

11.119 " *elata* 1

11.120 " *wellerii* 1

11.121 " 1

11.122 *Echinocereus* 2

Costa Rica, San José. July 1911.  
 Sent by José C. Zeledón.

England, Kew, Royal Botanical Gardens.

Mexico - Minas de San Rafael July 14, 1911.  
 C. A. Purpus.

California, Kearney Park, Fresno Co. July 16, 1911.  
 J. T. Beares.

11.123 *Cereus triangularis?* ✓

11.124 *Rhipsalis? Phyllocactus?* ✓

11.125 *Opuntia*

9899

11.126 *Manillaria neomexicana* 9901  
<sub>2 destr.</sub>

11.127 *Echinocereus viridiflorus*

11.128 *Opuntia* (Platyop.)

11.129 *Pachyphyllum aduncum* 9900

11.130 *Opuntia* (Platyop.)

11.131 *Opuntia basilaris?* Yav

Chiriqui, Panama. In cultivation at Boquete.  
Maxon 5730. Mch. 26, 1911.

Chiriqui, Panama. Above Boquete, alt.  $\pm$  4500 ft.  
Maxon 5250. March 8, 1911.

Montana: Sage-covered ~~florid~~ 10 miles  
n.e. of Stevensville, Bitterroot Valley.  
Aug. 1, 1911. C. Birdseye, coll.

Texas: Near Vigo Park. July, 1911. Miss Nellie Stand-  
ley, coll.

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

Mexico: Barranca near Bagre, a small village  
west of Las Minas de la Rafael. C. A. Purpus.  
July, 1911

California: Bishop Creek, Inyo Co., 8500 ft. A. Davidson  
(Received Aug. 9, 1911)

" : (same data)



11.132 Sedastrium pachyneura Thoms., 9903

11.133 Echeveria fimbriata Thoms. 2

11.134 Echeveria ~~sp.~~ gracilis Rose.

11.135 Echeveria ~~sp.~~ secunda. 1

11.136 Echeveria strictiflora Gray 9926  
1 ded

11.137 Mamillaria senilis 9927  
Mamillopsis senilis Mbr.

11.138 Opuntia 9928  
1 sp. ded. Dead

11.139 Tumamoca 9929

11.140 Selenicereus spinulosus (DC) 9930  
L.H.B.

Mexico. (portion of type:  $\frac{260}{72}$ ) (From Mo. Bot. Garden)

" ( $\frac{102}{3}$ ) (portion of type) "

" ( $\frac{260}{24}$ ) from near Tehuacan. Thompson. "

" ( $\frac{260}{66}$ ) Hills just above town of Pachue. "

Mexico, San Jorge, Nuevo León <sup>Ex. Ref. S. L. P.</sup>  
C. D. Purpus.

Mexico, Jalisco 5-6000 ft. 1906  
Sent by Carl Lumholtz from  
Lenox, Mass. 8/10/1911.

Kansas, Winfield. Aug. 14, 1911.  
Miss F. M. Vasey

Arizona, Tucson, Desert Laboratory  
D. T. MacDougal.

Mexico, Matamoros, from Amer-  
ican Consul thru Dr.  
Rodney H. True.



11.141 Yucca

9928

11.142 Rathbunia

11.143 Mamillaria centricirrha Lem.

9931

11.144 " minima Reichb.

11.145 " pusilla DC.

11.146 " elongata DC.

11.147 " multiceps Salzm.

11.148 " longimamma

11.149 " vetula

11.150 " gracilis

11.151 " stellata Harr.

Kansas Winfield, <sup>Equals "26104"</sup>  
Miss F. N. Vasey. <sup>Agri. No. probably.</sup> Aug. 25, '11

Coville 1629

Italy, Catania. Cultivated  
by Prof. Luigi Buscalioni  
Recd. July 16, 1911.

11.152 *Echinocactus* <sup>opsis</sup> ~~tubiflorus~~ Hart.

11.153 *Echinocereus enneacanthus*

11.154 " *cinerascens* S.-D.

11.155 " *pentalophus* S.-D.

11.156 *Phyllocactus hookeri* Salin.

11.157 " *grandis* Lem.

11.158 " *anguliger* Lem.

11.159 *Epiphyllum crenatus* Dead

11.160 *Rhipsalis rhombica* Pfeiff.

11.161 " *paradoxa* Salin.

11.162 " *squamulosa* K. Schum.

11.163 " ~~*grandiflora* Has.~~ <sup>grd</sup>  
~~*Megalantha*~~  
To Buzen

931

(Italy, Catania, Prof. Luigi Buscalioni)

9111

11.164 *Myrtillocactus geometrizans*  
var. pungioniferus

9431

(Italy, Catania, Prof. Luigi Buscalioni)

11.165 *Hylocereus*  
*Cereus triangularis*

11.166 *Cereus flagelliformis* Mill.

11.167 *Echinopsis eyriesii*

11.168 *Cereus martianus* Zucc.

11.169 " *longispinus* S.-D.

11.170 " *tumacarii* DC.

11.171 " *bonplandii* Parry.

11.172 " *tortuosus*

11.173 " *colubrinus*

11.174 " *peruvianus*

11.175 " *eyriesii*

11.176 *Cereus rostratus* Lem. 9931

11.177 " *martianus*

11.178 " *ehrenbergii* Pfeiff.

11.179 S. " *nycticalis* Link.

11.180 " <sup>*madagascariensis*</sup> *bonplandii* Parry.

11.181 *Phyllocactus* 9917

11.182 <sup>*destr.*</sup> *Ahipsalis* *Hebnerocereus panamensis* 3

11.183 *Nolina*  
(Seeds)

11.184 *Opuntia* 9932  
<sup>*destr.*</sup>  
(See 11.187)

(Italy, Catania, Prof. Luigi Buscalioni)

Panama  
H. Pittier #4229  
#4196

New Mexico, Albuquerque.

Idaho, St. Anthony.  
Vernon Bailey

Aug. 31, 1911.



11.185 Echinocereus rigidissimus 4933

11.186 Mamillaria recurvata 2

11.187 Opuntia 4932  
1 destr. 2

11.188 Opuntia 4934  
(Specimen put into herbarium)

11.189 Opuntia

11.190 Opuntia

11.191 Acanthocereus ✓  
(Seeds of 06.10.12)

11.192 Opuntia griffithsiana Mackensen ✓

11.193 " greenmaniana Mackensen

11.194 " convexa Mackensen

11.195 " reflexa Mackensen.

Arizona, Phoenix  
Dr. R. E. Kunze.

9-1-1911.

Idaho, St. Anthony.  
Vernon Bailey  
(With 11.184)

Aug. 31, 1911.

Texas. Paloduro Cañon,  
near Amarillo.  
Miss Nellie Standley.

Sept. 1911

Texas, Laredo

1906.

J. M. Rose  
Texas, vicinity of San Antonio.  
Bernard Mackensen

11.196 *Melocactus* ✓  
(Seeds of 05.306)

11.197 *Acanthocereus* 9963  
2

11.198 ✓  
1 destr.

11.199 *Opuntia* 9964

11.200 *Mamillaria neomexicana* ✓  
2

11.201 *Nopalea* ✓  
2 dead, destroyed

11.202 *Hylocereus triangularis* 9967

11.203 " *monacanthus*  
*paranensis*

Guatemala, El Rancho.  
W.R. Maxon #3766

Philippine Islands, Los Banos, Aug., 1911.  
Laguna Proo., Luzon  
E.D. Merrill

Canal Zone, Potrero de las tortugas.  
H. Pittier

Colorado, Yuma.  
H. L. Shantz.

New Mexico, Grant Co., Hanover  
Mt., alt. 7500 ft.

Panama (probably)  
H. Pittier

Panama,  
Cowell #416 - NYBG. 22197  
Bay of Panama, Urua Id.  
Howe NYBG. 31778

1905

1910

11.204 *Echinocactus simpsoni*

9965

11.205 *Opuntia polyacantha*  
1 destr.

11.206 " "

11.207 *Echinocactus simpsoni*

11.208 *Lenophyllum*

11.209 *Agave rigida*

11.210 *Phyllocactus crenatus* = *Epiphyllum strictum*

11.211 *Cereus martinii*  
(= 10.252)

11.212 *Opuntia*

11.213 *Sedum*

1 dead destroyed

Wyoming, Lone Tree.

M. Cary #698

Green River

#699

Green River

#700

Maxon

#701

Georgetown, D.C., Cult. by Oct. 9, 1911.  
Hoffmann.

Washington Botanical Gardens. Oct. 10, 1911.  
J. N. Rose.  
(Honduras)

(all of this no. grown N.Y.)

Washington Tacoma. (Cult.?) Oct. 10, 1911  
Mrs. Weeks, sender.



11.214 *Mamillaria knippeliana* 9968

11.215 " *strobiliformis caespitosa*

11.216 " *pusilla multiceps*

11.217 *Sedum Wrightii* Gray <sup>B<sup>H</sup></sup> ✓

11.218 *Pereskia bleo* HBK. 9969

11.219 *Pereskopsis chapistli* Weber Dead

11.220 *Phyllocactus latifrons*  
*Euphyllium regulatum*

11.221 *Nopalea amberi*?

11.222 *Cereus speciosissimus*?  
<sup>1 destr.</sup>

11.223 *Mamillaria conzattii* Rose

11.224 *Cereus*

11.225 *Acanthocereus*

Germany, Halle (Saale)  
J. L. Quehl.

Texas, mts. near El Paso  
Elmer Stearns #162

Mexico, Oaxaca  
C. Conzatti #3 - de Orizaba

#4 - de Oaxaca

#5 Cumbre de los Frailes

#6 - de Oaxaca

#8 - de Orizaba

#1

#7

#9

1911



11.226 *Mamillaria sphaelata* Mart Dead 9469

11.227 "

11.228 " *carnea*

11.229 *Echeveria montana*

11.230 *Crassula* 9470

11.231 " (Rubi)

11.232 *Haworthia*

11.233 "

11.234 *Mamillaria*  
destr.

11.235 "

11.236 *Cereus*

11.237 *Opuntia decumbens*  
L.B.

Mexico  
C. Conzatti #10

#11

#12

#13

California, San Diego  
C.R. Orcutt #72

#98

#8

#75

(Mex. - San Luis Potosi)

#885

#1015

#1271

(Mrs. Brandegee - Lower Cal.)  
#1329

11.238 *Cereus cochal.*

9970

11.239 *Opuntia*

11.240 *Opuntia clavata*

11.241 *Cereus formosus*

Dead

11.242 *Sempervivium*

1 dead destroyed.

11.243 *Crassulaceae*

11.244 *Sempervivium*

9971

11.245 *Mamillaria leona*

11.246 *Crassula* ?  
(Ded. Nov. 1911)

11.247 <sup>Hyle</sup> *Cereus ocamponis* ?

11.248 *Selenicereus*

11.249 *Crassula*

California, San Diego.  
C. R. Orcutt.

Hawaii

Sent by J. T. Bearss  
from Kearney Park,  
Calif. 8 Oct. 1911.

Chile

Brought from Washington 10-17, 1911  
Bot. Garden by Mr. Swiggett.

California, Ventura  
#1 Cult., Theo. B. Shepherd Co.  
#2

#3

#4

#5

#6

11.250 *Mamillaria*

11.251 - "

11.252 *Mamillaria pusilla* ~~1022~~

11.253 *Phyllocactus Wittia panamensis*

Herb. Sp.  
NY

11.254 *Nolina texana* B.O.P.

9966

11.255 *Euphorbia*

9972

11.256 *Mamillaria denudata*

11.257 - "

#8

#9

N.Y. Bot. Gard. 10825. "Rec'd.  
from Dept. of Parks, Bronx, N.Y.,  
in 1902" (Letter of N.L. Britton of 10/23/11)

Panama, mts. above Chepo.  
H. Pittier #4571

Oct. 15, 1911.

New Mexico, Albuquerque.  
Marion Innes.

Oct. 16, 1911

"extends over the --- eastern  
part of New Mexico."

Mexico, Coahuila, 15 miles east  
and north of Tlahuila, Durango.  
E. Chaffery #48.

Oct. 8, 1911.

(Same locality as above) #49 (cf #36)

→ Durango, near Lerdo, (originally.)  
Cult. in garden several years.

#50 (cf #19)



- 11.258 *Mamillaria denudata* (Engelm.) Rose?  
 1 destr. 9  
 11.259 *Ariocarpus fissuratus* ,

- 11.260 *Acanthocereus*  
 11.261 " "

- 11.262 *Lemaireocereus*

- 11.263 *Cereus*

- 11.264 *Cereus*

- 11.265 *Echeveria rubromarginata*  
 1 dead

- 11.266 *Beaucarnea inermis* Rose

Mexico, Durango, near Tlahuila. Oct. 10, 1911  
 (cf. #36). #51

Durango, Campana hill, near  
 Tlahuila. #52.

Canalhone - Channel Sand spit.  
 A. S. Hitchcock - "4-angled,  
 erect or declined on bushes".  
 → "On rocks - Old Panama".

Mexico, Oaxaca "Jardin Botanico  
 de la Estacion Agricola  
 Experimental."  
 C. Conzatti

Mexico, near Cuichapa, near Esperanza, Puebla. C. A. Purpus. 2600 m. alt.  
 San Luis Potosi - Hacienda  
 Rascón C. A. Purpus



11.267 *Cereus*

9963

11.268 *Mamillaria centricircha*

9974

11.269 " *elegans*.  
1 destr. dead & preserved

11.270 *Heeria elegans* ✓

11.271 *Opuntia pycnacantha*

10019

4#

11.272 *Pereskia nicoyana*

10022

11.273 *Phyllocactus* <sup>*Epiphyllum*</sup> *lepidocarpum*  
2 destr.

Philippine I. - E. D. Merrill.  
Manila.

Mexico "bet. Contreras & Tlalpam, Oct. 24, 1911.  
on the Pedregal." Wm Brockway.

Mexico, Jalapa  
J. D. Rose 304 (6081) returned  
to Washington from New York  
under May 31, 10. 16901.

California, Bard. "about 6 miles from Yuma, Ariz."  
O. F. Cook Oct. 30, 1911.

Costa Rica  
Alfaro

11.274 *Lactuca*?  
Entire spec. flowered + put in Herb. 9978

11.275

11.276 *Phyllocactus*?

11.277

11.278 *Mamillaria* 10023

11.279 "

5+

11.280 *Opuntia* 10024

11.281 "

11.282 *Echinocereus stramineus*

11.283 *Epiphyllum phyllanthus*<sup>hookeri</sup> 10025

11.284 *Opuntia*  
1 destr.

Panama, near Alhajuela  
#1 Coll. A. Busck April, 1911.

# 2

# 3

# 4.

Mexico  
Wm Brockway.

Mexico, Candalaria, 50 miles  
south of Juarez, Chih.  
Elmer Stearns

West Indies - NYBG No 27690  
W.E. Broadway. 1907.  
Cuba, near Guantánamo, Oriente.  
Dr. Shaffer NYBG #33528.

11.285 Yucca 10021

11.286 Mamillaria 4

11.287 Opuntia 1

11.288 Opuntia humifusa Raf. 10018  
1 destr. 3

11.289 Mamillaria napina 10026

11.290 Echeveria 1 destr. destroyed  
1 dead

11.291 Bryophyllum 4986

11.292 <sup>Hyl</sup>Cereus trigonus

11.293 ?

11.294 Tillandsia

Colorado, near Denver  
Arthur Kuester

Indiana, Miller. Dunes. Oct. 20, 1911.  
J. A. Nieuwland.

Mexico, El Riego, Tehuacan, "mts." October.  
C. A. Purpus.  
"Rocky limestone hills,  
Esperanza, Puebla." October.

Porto Rico, vicinity of San Juan  
(Sent by Bro. Hioran, Colegio  
de San Pablo, San Juan)  
#1

#2

#3



11.295 *Tillandsia* 9986

11.296 *Orchid*

11.297 *Opuntia tuna*

11.298 *Anthurium acule. (Jacq.) Schott.*

11.299 *Nopalea coccinilifera*

11.300 *Nopalea*

11.301 *Opuntia arborescens* ~~Dead~~ 10021

11.302 *Opuntia polyacantha* Haw.

11.303 *Echinocactus simpsoni*  
1 destr.

11.304 *Mamillaria vivipera* 10008

11.305 *Mamillaria elegans* ? 10023

11.306 " *amoena* ??

#4

#5

#6

#7

#8

#9

(Wyoming, Cheyenne) Collected near  
Puebla, Colo. Nov. 15, 1911.  
Arthur Kuester.

Wyoming, Fort Russell Laramie Co.  
Earl B. Powell, Ambulance Co. #1.

Mexico, Pedregal near Talpam. Nov. 13, 1911.  
Wm Brockway #201  
Cuernavaca  
#202



11.307 *Manullaria tuberculata* 10027

11.308 <sup>1 destr.</sup>  
*Echinocactus dasycanthus*

11.309 *Nopalea coccinifera* 10020  
<sup>1 sp. ded.</sup>

11.310 ~~*Opuntia dillenii*~~  
(= *Nopalea*, Destroyed)

11.311 *Opuntia*

11.312 *Opuntia arborescens* 10021

11.313 *Echinocactus simpsoni*

11.314 *Crassula*

11.315 *Yucca*  
<sup>1 sp. ded.</sup> 1 dead destroyed.

11.316 *Yucca*

11.317 *Mesembryanthemum*

11.318 *Aloe*

11.319 ? 1 ded

11.320 ?

Texas: near El Paso.  
Dr. Elsworth Chaffey #53  
#54.

Nov. 4, 1911

Porto Rico, Arecibo.  
Henry T. Cowles #200  
#201

Nov. 17, 1911.

#203

California, San Francisco (Ship-  
ping point) Arthur Kuester.  
→ (Collected in Wyoming)

11.321 *Disocactus biformis*  
*Epiphyllum biformis* <sup>seed</sup> 10025

11.322 *Hylocereus*

11.323 *Rhipsalis*

11.324 *Harrisia*

11.325 *Mamillaria vivipera*  
(= 11.304)

11.326 *Pereskia*

11.325 *Opuntia imbricata*

10021

11.326 "

11.327 "

11.328 *Mamillaria*

11.329 "

England, Kew, 1901

NYBG. #7250

S. Dom. Taylor #203, 1909

NYBG. #31756

Costa Rica, San Jose, cultivated

W. R. Maxon #23, 1906. NYBG. 24943

Cuba, Rio Guao, B. & C. 9653

NYBG. #33475

~~Wyoming, Cheyenne~~

~~Arthur Kuester~~

~~Mexico, Oaxaca~~

~~C. Conzatti~~

~~Arthur Kuester~~

11.330	Aloe	1002/
11.331	"	
11.332	"	
11.333	"	
11.334	"	
11.335	Senecio	
11.336	Hechtia	
11.337	Olivieranthus	
11.338	Agave	
11.339	Villadia	
11.340	Sempervivum	1 ded
11.341	"	

210

~~ex photo~~ see 11.346  
 = ~~Crassata rosularis~~, probably. P.C. Hutchinson 1960

11.342 Echeveria

10021

11.343 " 1 ded

11.344 "

11.345 Crassula

11.346 " rosularis probably  
1 destr.

det P.C. Hutchinson, 1960

1. Jan. 1

11.347 "

11.348 "

11.349 "

11.350 Sedum

11.351 "

11.352 "

11.353 Mesembryanthemum



11.354 *Mesembryanthemum*

10021

11.355 — ?

11.356 — ?

11.357 — ?

11.358 *Sedum*

11.360 *Mamillaria vivipera*  
(cf. 11.304)

10021

11.361 *Pereskopsis*

10028

11.362 *Cereus setaceus*

10029

11.363 *Aloe*

10021

11.364 *Yucca*

291

Wyoming, Cheyenne.  
Arthur Kuester.

Mexico, Oaxaca.  
C. Conzatti.

Italy, La Mortola, Ventimiglia.  
Alwin Berger. (Cultivated)

California, San Francisco (shipping  
point). Arthur Kuester.

11.365 Yucca

10021

11.366 - ?

11.367 Euphorbia

11.368 Mamillaria

11.369 Cereus monstrosus

11.370 Sempervivium

(1 dead, destroyed)

~~11.371 Dracena australis?~~ Put in herb.

11.372 Crassula

11.373 "

11.374 "

11.375 "

11.376 Mesembryanthemum

(Sent from San Francisco, Cal.)  
Arthur Kuester.

11.377 *Mesembryanthemum* 10021

11.378 "

11.379 *Pereskia panamensis* Web. ✓  
(Seeds)

11.380 *Opuntia prolifera* 10021

11.381 " *tunicata* Dead

11.382 "

11.383 "

11.384 "

11.385 "

11.386 " *subulata*

11.387 " *cylindrica*

11.388 *Maniellaria elongata*

(Sent from San Francisco, Cal.)  
Arthur Kuester.

Panama  
H. Pittier #4704

(Vicinity of Los Angeles, cult.?)  
Sent by Arthur Kuester

11.389 Mamillaria

10021

11.390 "

1 destr. 1 dead destroyed

11.391 " elegans

11.392 " fragilis

11.393 Echinocactus

11.394 "

11.395 Cereus

11.396 Echinopsis 1 destr.

11.397 "

11.398 "

11.399 "

11.400 "

11.401 Cereus

Trichocereus Spachianus

no.  
Sent by Arthur Kuester



11.402 *Cereus*

10021

11.403 *Hylocereus*

11.404 *Rhipsalis*

11.405 *Phyllocactus*

11.406 "

11.407 " destr.

11.408 "

11.409 "

11.410 *Kleinea articulata*

11.411 *Opuntia*

11.412 *Mamillaria*  
destr.

11.413 *Echinocereus*

Dead

<sup>1201</sup>  
(Sent by Arthur Kuester)

California, Los Angeles, cult.  
Eastlake Park.

11.414 Euphorbia 10021

11.415 Selenicereus hamatus

11.416 Opuntia basilaris

11.417 Hylocereus costaricensis 10022

11.418 Sedum 10026  
3

11.419 Echinocactus pungispinus 10027

11.420 Opuntia basilaris 10021

11.421 " cristata 3

11.422 " cylindrica

11.423 Cereus flagelliformis cristata

11.424 Head of Medusa?

1001

Costa Rica, San Jose - Museo Nacional.  
Guanacaste.

Mexico: Barranca de Santa  
Maria. C. A. Purpus.

Mexico: Durango, Ciudad Lerdo. Dec. 5, 1911.  
Elswood Chaffey.

(Sent by Arthur Quesler)

11.425 Euphorbia 10021

11.426 " meloformis Aut.

11.427 Mesembrianthemum 2

11.428 Echinopsis cristata. 2

11.429 Mamillaria longispina  
camptotricha Dams, 1

11.430 " plumosa 1

11.431 " 1 destr. 2

11.432. " 1

11.433 Pelecyphora 2

11.434 Opuntia vilis 10027

Note:- 11.435-11.499  
omitted.

(Sent by Arthur Kuester)

Mexico, Durango, Lerdo. 11/25/11  
E. Chaffey # 57

- |        |   |   |
|--------|---|---|
| 11.500 | <i>Yucca</i>  |   |
| 11.501 | <i>Agave</i>  |   |
| 11.502 | " <i>geminiflora</i>  |   |
| 11.503 | <i>Euphorbia</i>  |   |
| 11.504 | "   | 3 |
|        | (3 angled.)   |   |
| 11.505 | <i>Brognartia</i>   |   |
| 11.506 | <i>Coccoloba</i>  | 2 |
| 11.507 | <i>Bryophyllum</i> <sup><i>pinnatum</i></sup> <del><i>calycinum</i></del> |   |
|        | LHB.  | 4 |
| 11.508 | <i>Euphorbia</i>  |   |
|        | (large)   | 1 |
| 11.509 | <i>Crassula</i> <i>lycopodioides</i>                                      |   |
|        |   | 3 |
| 11.510 | <i>Oreopanax</i>  |   |
| 11.511 | <i>Agave</i>  |   |

From Greenhouse, Dept. of Agr.

Mexico, J. N. Rose.

Greenhouse, Agr. Dept.

" "

" "

H. Pittier

"

<sup>1000</sup>  
Greenhouse, Agr. Dept.

" "

From N. Y. Bot. Gard.

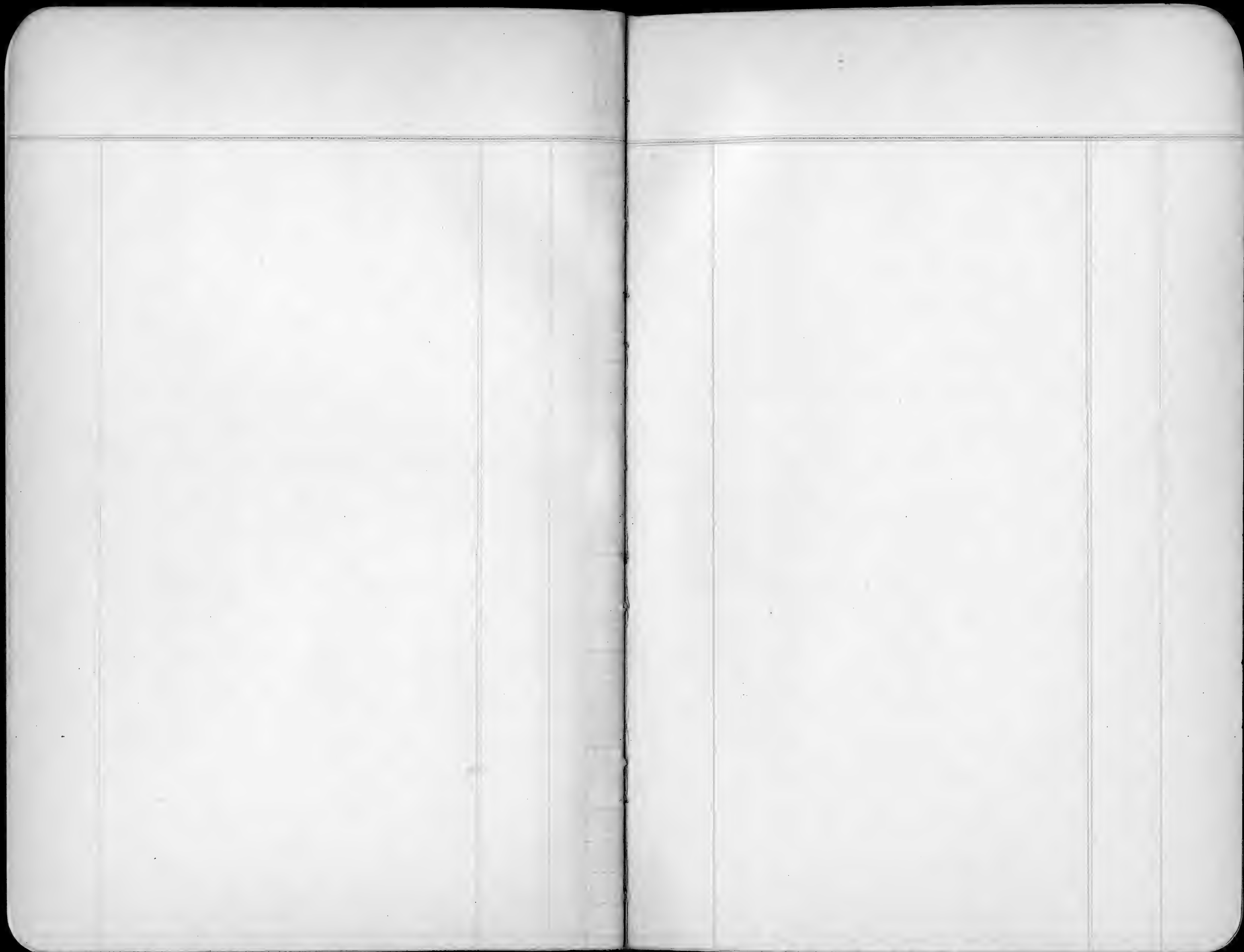
Mexico, Jalapa. J. N. Rose.

Numbered 779 wrongly.



Note for H. 1001 etc see See Field

Book Guadalupe Islands 1911  
# 16001 & 17376



1913-1916

For 1912 see next book

1913.

1913

1913

1913.



13.1. *Opuntia fragilis*  
(Platiop.) 3

13.2 *Opuntia polyacantha*  
(Platiop.) Box spec. 2

13.3 " " 2

13.4 " *arborescens*  
Box spec. 4

13.5 *Mamillaria trichacantha* 10416  
1 sp. det. & destr. 1

13.6 *Hylocereus*? 10455  
1

13.7 *Echinocereus Fendleri* ~~Dead~~ acc 10394  
1

13.8. *Opuntia macrocentra*  
(Platiop.) 1

13.9 *Echinocereus* sp. nov. 1

Colorado,  
Ruth Jocelyn Wells

Colorado, near Pueblo.  
Miss Divellion

Germany, Halle (Saale)  
L. Quehl.

Costa Rica, San José.  
O. Jiménez.

Jan. 1913.

Arizona, Comomoboles mts.  
D. T. MacDougal #31

Mar. 15, 1913

Coyote mts.

" 14, 1913

" #32  
Comobobi mts.

" 15, 1913.

" #33.

- |        |   |      |       |
|--------|---|------|-------|
| 13.10  | Cactus (Melocactus) Lemairei                                      | acc. |       |
|        | <del>Dead &amp; preserved</del>                                   | 3    | 10391 |
| 13.11  | Opuntia leptocaulis<br>(Cylindriop)                               | 3    |       |
| 13.12. | Opuntia tuna or Dillenii<br>(Platiop.)                            | 2    |       |
| 13.13  | Opuntia <del>curassavica</del> <sup>Taylori</sup> ?<br>(Platiop.) | 3    |       |
| 13.14  | " Taylori<br>(Platiop.)   | 2    |       |
| 13.15  | Hylocereus triangularis   | 3    |       |
| 13.16  | Acanthocereus (Cereus) pentagonus                                 | 1    |       |
| 13.17  | Leptocereus   | 3    |       |
| 13.18  | Harrisia Taylori  | 3    |       |
| 13.19  | Cephalocereus   | 1    |       |
| 13.20  | Lemaireocereus<br>Dead & destroyed                                | 2    |       |
| 13.21  | Cereus<br>Dead & destroyed  | 3    |       |

Santo Domingo, Barahona  
Father Puertes.

13.22. *Opuntia Haitiensis* acc.  
1 destr. 3. 10391

13.23 *Echeveria Venezuelaensis* acc.  
fl. under the tree 10392

13.24 *Selenicereus inermis*  
3

13.25 *Mamillaria Karwinskiana* Dead 10427  
(large-spined var.) 1

13.26 " " 1

13.27 " sp. aff. *M. Conzattii* 1

13.28 *Cereus* 1

13.29 *Echinocactus cylindraceus* 10442  
(seeds)

Santo Domingo, Barahona  
Father Fuentes.

Venezuela  
H. Pittier #5932  
" "Los Chorros, above Dos Mar. 14, 1913.  
Camino, alt. 900 meters,  
about 12 miles E. of Caracas"  
On trees  
H. Pittier.

Mexico, Cerros Salina Cruz Jan. 22, 1913  
C. Conzatti #152  
"

#152  
El Riego, Tehuacan Jan. 13, 1913  
#8

Lagunas, Montañas de la Jan. 25, 1913  
Chivela

California, Palm Springs  
S.C. Mason  
Tahquith Creek.

13.30	Mamillaria		acc. 10397
13.31	"		/
13.32	"		/
13.33	"		/
13.34	Cereus <sup>serpentinus?</sup> 1 sp. dead		/
13.35	Opuntia	dead	/
13.36	Agave		/
13.37	Opuntia "destr."		2
13.38	Echinocereus		2
13.39	Opuntia		Dead
13.40	Mamillaria	Grahami	/
13.41	Echinocereus	Eugelmanni	/

Mexico, Mexico City.  
C. R. Orcutt.  
Rec'd. Feb. 5, 1913.

Canal Zone, Bas Obispo  
S. P. Verner  
Rec'd. Feb. 7, 1913

Arizona, Supai, A. H. Symons.  
Rec'd. Feb. 8, 1913.



13.42. Echinocactus 10427  
2

13.43 Opuntia 10428  
1

13.44 Mamillaria phellosperma 10419  
1

13.45 Opuntia  
1 destr. 2

13.46 Mamillaria  
1 destr. 1

13.47 Cereus Wercklei acc.  
10455  
2

Mexico, Oaxaca, Cerros de Salina Cruz. Jan. 22, '13  
C. Conzatti 151<sup>a</sup>

(~~Texas, Dallas~~) "This Opuntia  
was found in a mudhole  
full of water, near New  
Orleans, La. The branches  
are 3-4 ft. high, most of  
the leaves are bare of spines,  
but all have tufts."  
Arthur Kuester.

California, Colorado R. (opposite Feb. 21, '13  
Parker, Arizona)

E. Goldman #1993.  
Arizona, Parker, alt. 400 ft.

#2001

#2000

Costa Rica, San José. Feb. 1913

O. Jiménez, sender  
"Volcan Miravalles (Guanacaste)  
Carlos Villar, coll."

13.48 Echinocactus phellosperma 10419

13.49 Echinocereus

13.50 Opuntia

13.51 Mamillaria destr.

13.52 Opuntia

13.53 Mamillaria phellosperma 10419  
(Seeds of 13.44)

13.54 Echinocactus destr. (Seeds)

13.55 Pereskia 10427  
(Seeds only)

13.56 Opuntia rhodantha 10440

13.57 " xanthostemma

Arizona, Vicksburg, alt. 1600 ft. Mar. 19, '13.  
E. A. Goldman #2008

alt. 1600 ft.  
#2007

alt. 1400 ft.  
#2005

alt. 1600 ft.  
#2009

alt. 1200 ft.  
#2006

California, Colorado R. #  
E. A. Goldman 1993.  
(= 13.44)

Arizona, Supai,  
A. H. Symons

Mexico, Oaxaca, Salina Cruz.  
C. Conzatti

Switzerland, Geneva.  
H. Correvon

April 5, '13.

13.58 *Opuntia* acc.

13.59 *Opuntia* acc.  
<sub>destr.</sub> 5 10400

13.60 *Opuntia*

13.61 *Echinocereus* 10439

13.62. *Rhipsalis* 10393  
<sub>destr.</sub>

13.63 *Phyllocactus* 3

13.64 *Epiphyllum cartaginensis* acc.  
3 10455

Florida, St. Cloud  
J. T. Bearss

Apr. 18, 1913

Virginia, Shores  
A. M. Steger

April 19<sup>?</sup> '13

Colorado, Durango  
James Merry.

Arizona, Prescott; 5300 ft.  
E. A. Goldman 2033

April 20, '13

Guatemala, Cubilquitz, 20 miles.  
(H. von Türckheim) North  
" of Coban, 350 meters alt.

March, 1913

Costa Rica, San Jose  
O. Jimenez



13.65 Echinocactus scopa. 10428  
1 destr.

13.66. " myriostigma

13.67 Echinopsis ? 2.

13.68. " Schickendantzii

13.69 Echinocactus ornatus

13.70 Opuntia cristata

13.71 Mamillaria ~~Calceana~~  
= M. parsonsiana (Nov 30 1911),

13.72. Opuntia ?  
2 destr. 3.

13.73 Opuntia 10441  
(Platiop.) 5

13.74 Echinopsis 10428  
1 dead, destroyed. 3

13.75. Bergerocactus Emoryi  
destr. 2.

California, Los Angeles, April, 1913  
Garden of Arthur Letts, sent  
by Arthur Kuester.

Pennsylvania, Round Top Island, April, 1913.  
Susquehanna R., east of Har-  
risburg. Sent by Edw. Gillett, Southwick,  
Mass.

California, Riverside, Mr. Dunbar, May, 1913  
sent thru Arthur Kuester



13.76 *Opuntia australis* 10438  
(*Platiop.*) 5

13.77. *Opuntia* 10428  
(*Platiop.*) 1 sp. det.

13.78. " (*Cylindriop.*) 1

13.79. " *ramosissima*  
(*Cylindriop.*) 1

13.80 *Echinopsis* <sup>1 destr.</sup> *tubiflora* - hybrid.  
light pink fls. 1

13.81. " *Mullerii* 1

13.82. " *oxygona*  
light pink fls. 1

13.83. " *Egnesii*  
white fls. 1

13.84. " *tubiflora* - hybrid  
dark pink fls. 1

13.85. " 1

13.86. " 1

13.87. *Echinocereus* 1  
2

Florida, Osceola Co., St. Cloud.  
J. T. Bearss.

California, Riverside, White Park. May, 1913.  
Mr. Dunbar, thru Arthur Gquester.  
(Temescal Cañon, Calif.)

13.88 *Pereskia* acc.  
40±

13.89 *Nolina*  
(Seeds) 2

13.90 *Opuntia* 10436  
2 destr. 4

13.91 *Opuntia Treleasei* Kerni 10428  
1 destr. 4

13.92 *Weberocereus panamensis* acc.  
1

13.93 *Phyllocactus stenopetalus* S.-D. 10437  
1

13.94 *Opuntia Kunzei* acc.  
2

13.95 *Pereskia* acc.  
3

Santo Domingo, Barahona.  
Father 'Fuentes.

Arizona, Grand Cañon.  
E. W. Nelson

Nov. 1912.

Florida, Orange Co.,  
J. T. Bearss.

California, near Bakersfield.  
Mojave Desert.  
Arthur Kuester

April 1913.

Canal Zone, Lake Gatun  
"On a partly drowned tree"  
Mrs. D. D. Gaillard (Katherine)

Mexico  
W. Weingart, Germany.

Arizona, South of Quijotoa mts.  
D. T. MacDougal

Venezuela, Caracas  
H. Pittier #6129.

13.96	<i>Opuntia whipplei</i>	(all sent to N.Y.B.G. May 20, 1913) P.G.R.	1	10439
13.97	<i>Mamillaria</i>		1	
13.98	<i>Echinocereus</i>		1	

13.99	<i>Weberocereus Biolleyi</i>		acc.
	<del>EMB.</del> 5+		

13.100	<i>Cereus</i>	prob. = <i>Binghamia</i> sp. PCH, 1960	1
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13.101	+ destr. 1 destr.	1
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13.102	<i>Echinocactus erectocentrus</i>	10434
	1 destr.	3

13.103	<i>Echinocereus Penderi</i>	2
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13.104	<i>Mamillaria arizonica</i>	2
	1 destr.	

13.105	" <i>Wilcoxii</i>	3
	1 destr.	

13.106	" <i>Grahami</i>	3
	2 destr.	

Arizona, 25 mi. S. of Flagstaff. Mor- May 2, 1913.  
mon Lake. E.A. Goldman #2034

#2035

#2036

Costa Rica, San Ramon Apr. 30, 1913  
A. Tonduz.

Peru, Valley of Chicama (north 1913.  
of Trujillo) high spots.  
Alas Hrdlicka  
Sierra de Huarochoiri

Arizona, Sonoita  
Geo. Horchderffer  
Benson



13.107 *Weberocereus panamensis*  
(seeds of 13.92) A. Berger

13.108 *Opuntia spinosior* 10436  
2

13.109 *Opuntia treleasei* Kernü Griffiths 10421  
6

13.110 *Phyllocactus Cephalocereus* 10417  
3

13.111 *Cereus* 4

13.112 *Cereus* 10420  
1

13.113 *Cereus* 1

Canal Zone, Lake Gatun  
Mrs. D. D. Gaillard

April, 1913.

Arizona, Sacaton  
Mr. French Gilman  
"North side of Gila R. 8 miles  
north of Sacaton Indian Agency.  
Was growing out on plains  
about 4 miles from hills."

California, 10 miles S.E. of  
Bakersfield near Edison.  
D. T. MacDougal and W. A.  
Cannon.

May 17, 1913

Venezuela, Bosque de Catuche  
H. Pittier #6147

#6148

Florida, Knights Key  
Paul Bartock



13.114 *Opuntia* 10420  
          *Cylindrop* 2

13.115 " *Platip.* Dead  
                  2

13.116 *Opuntia molesta* 10424

13.117 " *leptanthra* Dead

13.118 " *elongata* 1

13.119 " *vestita* 1  
      + destr.

13.120 " *rubescens* 1

13.121 " 1

13.122 " 1  
      + destr.

13.123 " *repens* 1  
          *dead, destroyed.*

13.124 " 1

13.125 " *curassavica* 1

Florida, Knights Key  
          Paul Bartek  
          Loggerhead Key, Dry Tor-  
          tugas.

Italy, La Mortola, A. Berger.  
          Ny. Blyard. #36299  
          (do.)

" #36300

" #36269

" #36301

West Indies, St. Thomas

N. L. Britton #1400 Ny. Bly. #37160

" Curaçao

Britton & Shafer #2904 Ny. Bly. #37386

" Buck I., St. Thomas

N. L. Britton #1388 Ny. Bly. #37155

" Porto Rico

N. L. Britton #1861 Ny. Bly. #37249

" Curaçao.

Britton & Shafer #2903 Ny. Bly. #37385

" St. Thomas

N. L. Britton #96 Ny. Bly. #37167

1913

- 13.126. *Opuntia* 10424  
/
- 13.127 " *Kunzei* /
- 13.128 " *tomentosa* /
- 13.129 *Eccremocactus Bradei* /
- 13.130 *Rhipsalis* /
- 13.131 " *Wercklei* /
- 13.132. " *pentaptera* /
- 13.133 *Leptocereus arboreus* /
- 13.134 *Harrisia gracilis* /
- 13.135 *Leptocereus asurgens* /
- 13.136 *Cereus polyrhizus* /
- 13.137 *Mamillaria simplex* 3  
*Scand. passand*

- West Indies, St. Thomas 1913  
N. L. Britton #95 NYBG. #37161
- Arizona, near Gunsight Mts.  
R. E. Kunze. NYBG. #36494
- Bermuda I. 1912.  
N. L. Britton 1199 NYBG. #37031
- Costa Rica, San José, (cult.) 1906.  
W. R. Maxon #21 NYBG. 24949.
- " " 1906  
" #23 NYBG. #24943
- " " 1906.  
" #22 NYBG. #24952
- ? 1908  
C. R. Berger(?) NYBG. #29930
- Cuba, Castillo de Jagua  
Britt. & Lowell 10298 NYBG. #33437
- Jamaica  
N. L. Britton #3070 NYBG. #29696
- Cuba, Marianao 1912.  
Bro. Leon NYBG. #36223
- Colombia 1902.  
Weinb. NYBG. #14641
- West Indies, Curacao 1913  
Britt. & Shafer #3085 NYBG. #37396

13.138 *Leptocereus quadricostatus* 10424

13.139 *Harrisia eriophora*

13.140 *Acanthocereus*

13.141 *Harrisia Taylori*

13.142 *Selenicereus*

13.143 *Leptocereus Leoni*

13.144 *Hylocereus trigonus*

13.145 *Opuntia* ("basilaris") *treleasei* 10426

13.146 " ("Parryi") *Echinocarpa*  
Platiop. ded 3  
Cylindriop 2

13.147 *Weberocereus Bidleyi* 10425

13.148 *Rhipsalis Tonduzi*  
1 destr.  
1 destr. 7

Porto Rico.

N. L. Britton #851 nyBly. #37242 1913.

Cuba, Mariel

N. L. Britton #7600 nyBly. #32905

West Indies, St. Thomas, rubbish bank

N. L. Britton #472 nyBly. #37186 1913

Cuba, Guantanamo

N. L. Britton #153 nyBly. #30142 1909.

" El Cobre

B. & C. #12879 nyBly. #35226 1912.

" Sierra de Anafe

Bro. Leon #2819 nyBly. #35264 1912.

West Indies, St. Thomas

N. L. Britton #1393 nyBly. #37178 1913.

California, Kern Co., N.W. of Willow

Spring, Mojave Desert.  
D. G. MacDougal. May 17, 1913.

Costa Rica, San Ramon

A. Tonduz #901

"

" #900



Siberia

13.149. *Cereus Wercklei* 1 dead 10425

13.150 *Phyllocactus* <sup>*Eccremocactus bradei*</sup> 3 H.M.

13.151 *Cereus Weberocereus* /

13.152 *Eccremocactus Bradei* /

13.153 *Opuntia* /

13.154 *Phyllocactus* /

13.155 *Mamillaria Wissemanni* dead 10431

13.156 *Weberocereus tunilla* 10424.

13.157 *Opuntia leptanthra* 10428  
(From Weber's type spec!)

13.158 *Opuntia* 10429

Costa Rica, Volcan Miravalles (Guanacaste)

Carlos Villar #836.

" Llano Grande de Puriscal

O. Jiménez #905.

" San Ramón

A. Tonduz #903

" Bosques de Caraca (Puriscal)

O. Jiménez #904

" Tempisque (Guanacaste) See letter of 6/17/13

O. Jiménez #902.

" San Ramón

A. Tonduz #906.

Texas, vicinity of Fort Worth, probably.  
A. Ruth.

Costa Rica.

Werckle

N.Y.B.G. #22023

1905

Italy, La Mortola, Ventimiglia  
Lady Hanbury.

May 1913

California, Mill Creek Cañon, near San Bernardino. 6000 ft. alt.  
S.B. Parish May 23, 1913



13.159 *Myrtillocactus* 10479  
(Beeds)  
(Ded.)

13.160 *Opuntia Lemnardina* 10464  
(*Cylindrop.*) 5

13.161 " (Platip.) 1 destr. 3

13.162 " " 3

13.163 " " 3

13.164 *Opuntia* 10464  
(*Cylindrop.*) 1 destr. 3

13.165 " 2 destr. ( " ) 3

13.166 " *chlorotica*  
(Platip.) 1 ded. 1

13.167 *Echinocereus Engelmanni* 2

13.168 *Mamillaria dioica* 2

13.169 *Echinocactus cylindraceus* 2

13.170 *Opuntia*  
(*Cylindrop.*) 3

Mexico, Oaxaca, Cerros de Quin-  
tepec. C. Conzatti  
"Padrenuestra"

California, Elsinore, Riverside Co. May 21, 1913  
D. T. MacDougal.

Near San Diego.

Temecula, Riverside Co.

" Near Campo, 3700 ft. alt. May 23, 1913  
MacDougal, Free, & Jones

" Jacumba 2500 ft. alt.

East of " 2000 ft. alt.

Between Campo & Jacumba 3500 ft. alt.

"Eastern dry slopes" alt. 2000 ft.

" " "

E. of Jacumba 2000 ft. alt.

13.171 *Opuntia*  
(*Cylindrop*) 1 destr. 10464

13.172 *Opuntia echinocarpa*  
1 destr. 10484

13.173 *Opuntia opuntia*  
1 destr. 2 10467

13.174 *Hylocereus ocamponis*  
1 destr. 10479

13.175 *Epiphyllum*  
1 destr. 1

13.176 *Hylocereus tricoatus*  
1

13.177 *Selenicereus Boeckmanni*  
1

13.178 " *hamatus*  
1

13.179 *Myrtillocactus geometrizans*  
(only spec. sent to Geo. S. Stone,  
2-1-16) 1

California, near Jacumba  
MacDougal, Free, & Jones May 23, 1913

California, Carriso Creek, near  
Salton Bank 100 ft. below sea-  
level. MacDougal, Free, &  
Jones. May 25, 1913.

Virginia, Wallops Island.  
W. L. McAtee May 29, 1913

Mexico, Oaxaca, Cañon Matateugo  
Istmo Tehuantepec. Jan. 19, 1913.  
C. Conzatti #104  
Purcon Antonio Jan. 20, 1913

Orizaba, Nogales #23 Jan. 13, 1913

Oaxaca, Cañon Matateugo " 19

Istmo Tehuantepec  
Orizaba, Rio Blanco " 15

Oaxaca, Cerros de Quiotepec May 9, 1913

13.180 *Escontria* 10479

13.181 *Leimaireocereus Weberi* (Cult.)

13.182  
1 destr.

13.183 *Pediocactus Simpsoni* 10470

13.184 *Pereskopsis* 10479

13.185 *Pereskia Conzatti*  
(Seeds)

13.186 *Opuntia Bentoni* ? 10473

13.187 *Opuntia ramosissima* 10477(?)  
(1 dead destroyed)

13.188 " *bernardinia*

13.189. " *magenta Vaseyi*

13.190 " 2

Mexico Oaxaca, Cerros de Quistepac  
C. Conzatti

May 9, 1913.

Wyoming, Laramie  
Aven Nelson

Mexico, San Juanito, Oaxaca.  
C. Conzatti

April 1913.

Louisiana, Houma  
E.C. Wurzlow.

California, near Victorville  
D.T. MacDougal  
San Bernardino

"

"



(13.190 *Acanthocereus*)  
See 13.195

10472

13.191. *Cephalocereus russelianus*

2

13.192. *Pereskia guamacho*

2

13.193. *Opuntia elatior*  
(Platiop.)

3

13.194 *Mamillaria Boasana*

10476

13.195 *Acanthocereus*

10472

13.196 *Manfreda picta*

10468

13.197. *Echinocereus Engelmanni*

10477

13.198 *Opuntia Bigelovii*

3

13.199. " *echinocarpa*

1

Venezuela, vicinity of Caracas  
H. Pittier

6181

#6179

#6011

Germany Halle (Saale)  
L. Quehl.

Venezuela, vicinity of Caracas  
H. Pittier 6181

Georgia, Midville  
J. W. Bunn

May, 1913.

California, near Palm Springs, 1000 ft. May 29, 1913  
D. T. MacDougal  
San Geronimo Pass



13.200 *Opuntia basilaris* 10477  
1 destr.

13.201 " " *ramosa* 1

13.202 *Echinocactus cylindraceus* 1  
~~Dead specimen~~ 2

13.203 *Opuntia franciscana* sp. nov. 10483  
2

13.204 *Echinocereus Tidestromii* 10483

13.205 " *aggregatus* Engelm. ? 1

13.206 " " ? 1

13.207 " *Engelmannii* var. 1

13.208 *Opuntia* 1

13.209 " *basilaris* 1

13.210 " " ? 1

California, Palm Springs or Gorgonio Pass.  
D. T. MacDougal

" " " " " "  
near Palm Springs, 1000 ft.

Arizona, Flagstaff, 12 miles N.E. June 4, 1913  
of Black Bell Park, 6800 ft.  
E. A. Goldman #2046

Arizona, Grand Cañon, Bright Angel Trail 6000 ft. May 31, 1913  
E. A. Goldman #2037 (#1)

" " " 5000 ft.

#2038 (#2

" " " 3800 ft.

#2039 (#3

" " " 3800 ft.

#2040 (#4

" " " 4500 ft.

#2041 (#5

" " " 2500 ft.

#2042 (#6

" " " 3800 ft.

#2043 (#7

13.211. *Opuntia hystrix* 10483  
1 destr.

13.212 *Opuntia whipplei* 10483  
1

13.213 *Dudleya lanceolata* (Nutt.) Britt. ~~sp.~~ 10487  
2

13.214 *Opuntia* 10489  
Platop. fls. yellow 2

13.215 " (fls. magenta) 2

13.216 " *basilaris* 1

13.217 *Echinocereus Tidestromii* 2

13.218 *Opuntia whipplei* 2  
1 dead, destroyed

13.219 *Manillaria Arizona* 1  
1 destr.

13.220 *Opuntia Tuna* 10488  
5

Arizona, Grand Cañon, Bright Angel Trail 3800 ft. May 31, 1913  
#2044 #8

Arizona, Flagstaff, 12 miles N.E. of June 4, 1913  
Black Bell Park. E.A. Goldman  
#2047 6800 ft. alt.

California, between Santa Monica & Redondo; sand dunes along beach. H.E. Hasse

Arizona Grand Cañon, rim of Limestone soil, June 1913  
Forrest Shreve.

Grand Cañon, Indian Garden, 3900 ft.

" , Bright Angel Trail

" , rim of.

Ash Fork, common above 5500 ft.  
along line from Prescott to Ash Fork.  
Grand Cañon, rim of.

Jamaica, Kingston. 1913  
W. Harris, Thru my 134.

13.221 *Pereskia* 10490  
4

13.222 *Opuntia* 2

13.223 *Manullaria Emskötteriana* Quehl. 10499  
1

13.224 " *strobiliformis* 1

13.225 " " *caespitosa* Quehl. 1

13.226 *Opuntia* 10497  
♂ Platop. 1

13.227 *Opuntia* 10497  
1 det ♂ *Cylindrop.* 3

13.228 *Epiphyllum* 10493  
3

Venezuela, Caracas.  
H. Pittier

Kansas, Winfield  
Mrs. S. E. Phillips

Germany, Halle (Saale)  
L. Quehl.

Arizona, Walnut Canyon, 10 miles June 15, 1913  
S.E. of Flagstaff.  
E. A. Goldman #2083

New Mexico, Tularosa, sand flats June 15, 1913  
northwest of town. Stokley Ligon.

Guatemala, Chajcar  
Baron v. Türrckheim

May 1913.



13.229. *Pediocactus Simpsonii* 10492

13.230 *Opuntia* 1 dead, destroyed  
Platop. 3

13.231 " 2

13.232 *Echinocereus*  
"C. phoeniceus var. inermis/

13.233 *Yucca* *Harrimanii* Trelease.  
(all <sup>but one</sup> sent to NYBG.) 7

13.234 *Epiphyllum* ✓

13.235 *Opuntia* 10494  
1 destr. 2

13.236 *Opuntia jamaicensis* 10495  
4

13.237 *Mamillaria similis* 10496  
2 destr. 1 destr. 12

13.238 *Hydrocotyle rotundifolia* Roxb. ✓

Utah, near Moab.  
M. E. Jones

Obtained by Mr. Fraile from  
Chicago

Florida, St. Cloud.  
J. T. Beares

West Indies, Jamaica  
Harris, thru NYBG.

Texas, Polytechnic, Tarrant Co.  
A. Ruth

Growing in Greenhouse of Agr. Dept.  
All sent to NYBG. June 1913.



13.239 *Opuntia* 10496  
destr. Platop-seedlings 3

13.240 *Cereus* 10498  
1

13.241 *Pilocereus* 1

13.242 *Cleistocactus* 7

13.243 *Opuntia* 1

13.244 *Stenomeson* ?  
Bush 3

13.245 *Opuntia Opuntia* 10502  
destr. 10

13.246 *Opuntia* 10500  
3 Platop. 4

13.247 *Echinocereus* 1

13.248 *Opuntia Franciscana* 10505  
Platop (Ny. & Herb. only) 1

13.249 *Echinocereus aggregatus* 1

Texas, Polytechnic, Tarrant Co.  
A. Ruth

Peru, mountains S.E. of Nasca March, 1913  
A. Hrdlicka

West Virginia, Moorefield  
Dr. H. McS. Gamble.

Colorado, Salida  
R. S. Plimpton

July 1, 1913.

Arizona, Flagstaff  
J. Shreve

July 1913.

- 13.250 *Opuntia* 10506  
2
- 13.251c " *Gosseliniana* 2
- 13.252 " 2
- 13.253 *Lemaireocereus Thurberi* 2  
Ded, see Herb. 1
- 13.254c *Opuntia arbuscula* 5
- 13.255c " " 3  
1 destr.
- 13.256c *Echinocereus Engelmannii* 1
- 13.257c *Pachycereus Pringlei* 1
- 13.258c *Opuntia fulgida* 2
- 13.259c *Lophocereus Schottii* 2  
(Seeds only) 1 ded
- 13.260c *Mamillaria Swinglei* n.sp. 2
- 13.261c *Echinocereus Fendleri* 1
- 13.262c *Opuntia mamillata Engelm.* 2

Mexico, La Cienega. alt. 1800 ft. June 9, 1913  
L. N. Goodding #1370  
#1371

#1372

#1374

#1376

#1377

#1378

#1379

#1380

#1381

#1382

#1382<sup>a</sup>

#1383

13.263 *Opuntia opuntia* 10507  
1 destr. 3

13.264 *Opuntia* 10510  
3

13.265 *Cactus caesius* (Wendl.) 10527  
1

13.266.

Seeds

13.267 *Epiphyllum*

planted 200 1919 3 - June 1920

13.268 *Rhipsalis pittieri*

2

13.269 *Lemaireocereus*

1

13.270 *Pereskia grandifolia* Haw.  
2 destr. 3

13.271 *Cereus*

1

13.272 *Harrisia*

1 destr.

13.273 *Acanthocereus*  
1 destr. 3

Alabama, Leighton, Colbert Co.  
E. G. Holt.

Alabama, Elkmont, Limestone Co. July 14, 1913  
Ernest G. Holt.

Venezuela, near Maigueta, La Guayra. July 11, 1913.  
H. Pittier #6479

around El Palito, near July 2, 1913  
Pto Cabello #6442

Borburata, near Pto Cabello July 14, 1913  
#6466

" " " "

#6467

Between El Higzag + Caboblanco, near La Guayra #6468 " 11, 1913

Maigueta, near La Guayra #6469 " "

Between El Higzag + Cabo Blanco #6470

" "

#6472

" "

#6473

✓ 13.274	<sup>Lampro</sup> <i>Cereus</i>	1	10527
✓ 13.275	" "	1	
✓ 13.276	<i>Opuntia</i> 1 destr. Platan.	3	
✓ 13.277	" "	3	
✓ 13.278	<i>Cactus</i>	2	
✓ 13.279	<i>Manillaria</i> Dead preserved	2	
✓ 13.280	? <i>Cereus</i>	2	
✓ 13.281	<i>Rhipsalis</i> <sup>2 m. long</sup> 6 destr.	7	

✓ 13.282	<i>Epiphyllum</i>	1	10535
✓ 13.283	<i>Cereus</i> grande	1	
✓ 13.284	<i>Cereus</i> monacanthus Lem.	1	
✓ 13.285	1 destr. <i>Silvestrii</i> Speg.	1	
	" <i>rigidus</i> Lem.?	1	

Venezuela, between El Higrao & Cabo Blanco July 11, 1913  
H. Pittier #6474

"	"	"	"
"	#6475	"	"
"	? 6476	"	"
"	#6477	"	"
"	#6478	"	"
"	#6479	"	"

H. Pittier, around El Palito. July 2, 1911  
#6454  
" " " "  
#6452

Germany, Georgenthal.  
W. Weingart.



13.286 *Cereus* 10535

*radicans* DC.

13.287 *Epiphyllum*

*Purpusii* Weing.

13.288 *Cereus*

*Boeckmannii* Otto

13.289

*destr.*

*martianus* Yucc.

13.290

"

*pentagonus* Hort.

13.291 *Opuntia*  
*Cylindrop.*

Dead

4

13.292

"

*Platop.*

13.293. *Echinocereus*

13.294 *Opuntia*

*Platop.*

13.295 *Mamillaria*

13.296 *Opuntia*

*Cylindrop.*

13.297 *Mamillaria*

Germany, Georgenthal  
W. Weingart

Arizona Mule Mts.  
L. N. Goodding 1410

July 8, 1913.

1411

1412

1413

1414

1427

1428

13.298 *Opuntia*  
7 dead. Platop. 2

13.299. " " 2

13.300 *Echinocereus*.  
dead destroyed

13.301 *Opuntia procumbens* 10541  
Platop. 1

13.302C " " 1

13.303C " " 1

13.304C " *Franciscana* 1

13.305 *Mamillaria* 12

13.306 *Epiphyllum* 10527 1

13.307 " 1 dead, destroyed. 3

#1457

#1458

#1459.

Arizona, Mt. Elden 7000 ft. July 17, 1913  
E. A. Goldman #2146

#2147  
Black Bill Park, 12 mi. N.W. of Flagstaff.  
#2151

5 mi. S. of Mt. Elden 6500 ft. July 19, 1913.  
#2152

Texas, near the valley of Trinity R., July 1913.  
vicinity of Polytechnic, Tarrant Co.  
A. Ruth

Venezuela, around El Palito July 2, 1913.  
H. Pittier #6455

" " #6456

13.308	Cactus	2	10527
13.309	"	3	
13.310	<sup>Cyl.</sup> Cereus 1 destr.	2	
13.311	" 1 destr.	1	
13.312	Cereus 1 destr.	2	
13.313	Opuntia 1 destr. Cylindrop.	2	
13.314	" 1 destr. Platop	2	
13.315	"	1	
13.316	Acanthocereus	1	
13.317	Cereus	1	
13.318	" 2 destr.	2	
13.319	Cephalocereus sanctus	2	

Venezuela, Barquisimeto, on plain	June 26, '13
H. Pittier #6410	
" #6411	
" #6412	
" #6413	
" #6414	
" #6415	
" #6416	
" #6417	
" #6418	
Around El Palito, near Puerto Cabello	July 2, 1913
#6435	
" #6438	
" #6439	

- 13.320 *Cephalocereus* 10527 /
- 13.321 " 1 /
- 13.322 *Acanthocereus* (or *Leuocarpus*) 1 /
- 13.323 *Acanthocereus* 3
- 13.324 *Hyllocereus* 2
- 13.325 *Acanthocereus* 2  
1 destr.
- 13.326 *Acanthocereus* 1
- 13.327 *Cactus* 2  
1 destr. *Dead & preserved*
- 13.328 *Opuntia* 3  
Platop.
- 13.329 " 1  
1 destr. "
- 13.330 " 2
- 13.331 *Pereskia* 1  
1 destr.

Venezuela, around Puerto Cabello July 2, 1913  
H. Pittier #6440

around El Palito, near  
Pt. Cabello #6441

" #6442

" #6443

" #6444

" #6445

" #6446

" #6447

" #6448

" #6449

" #6450

" #6453



13.332	<i>Opuntia</i>	<u>Dead</u>	10526
13.333c	" <i>vestita</i>	1	
13.334c	" <i>Turpini</i>	1	
2 destr.		2	
13.335c	" <i>foliosa</i>	1	
13.336c	" <i>Verschaffeltii</i>	1	
	1 destr.	2	
13.337c	" <i>Lemaireana</i>	1	
13.338c	" <i>velutina</i>	1	
13.339c	" <i>pes-corvis</i>	1	
13.340c	" <i>molesta</i>	1	
13.341c	" <i>alcates</i>	<u>Dead</u>	
13.342c	<i>Opuntia exaltata</i>	1	
13.343c	" <i>puberula</i>	1	
13.344c	<i>Opuntia depcta</i>	3	

Lower California, San Felipe N.Y.B.G. 20046  
D.P. MacDougal, 1904.

Italy, La Mortola 38684  
Lady Kath. Hanbury

38685

38686

38687

38688

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38695

- 13.345c *Opuntia crinifera* 10526  
 1 ded. /  
 13.346c " *parva* ident. destroyed. Dead  
 13.347c *Opuntia cardioperma* /  
 13.348c " *inaequilateralis* /  
 13.349c *Opuntia Quitensis* /  
 1 destr. /  
 13.350c " *cholla* /  
 1 destr. /  
 13.351c " *Miquelii* /  
 13.352c " *nigricans* /  
 1 destr. /  
 13.353c " *stenopetala* /  
 13.354c " *gymnocarpa* /  
 13.355c " *haematocarpa* /  
 13.356c " *glaucescens* /  
 13.357c *Opuntia Bergeriana* /

Italy, La Mortola N.Y.B.G. 38696  
 Lady Rath. Hanbury.

38697

38698

38699

38700

38701

38702

38703

38704

38706

38707

38708

38709

13.358c *Opuntia Beckeriana* 10526

13.359c *Opuntia sulphurea* /

13.360c " *decumana* /

13.361c " *Hanburyana* /

13.362c " *diplocantha* /

13.363c " *elongata* /

13.364c " *spinulifera* /

13.365c " *Winteriana* /

13.366c " *Schumannii* /

13.367c " *gilva* /

13.368c *Opuntia megacantha lasiocantha* Dead /

13.369c " *Xacuapanensis* /

13.370 *Furcraea elegans* (seeds)

Italy, La Mortola Nyp. 38710  
Lady Kath. Hanbury.

38711

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38730

13.371c *Opuntia leptantha* Dead 10526.

13.372c " *Dillenii* 2

13.373 *Cactus caesus* (Wendl.) 10527  
(Seeds of 13.265)

13.374c *Epiphyllum anguliger* 10528

13.375c " *crenatum*

13.376c " *Hookeri* Dead

13.377 " *P. thomasianus* 2

13.378 " *P. strictus* 2

13.379 " *P. ackermanni* 1

13.380 " *P. phyllanthoides* Dead

13.381 " *P. cartagensis* Weber 3

Italy, La Mortola  
Lady Kath. Hanbury.

Venezuela, near Maiguatá, La Guayra July 11, 1913.  
H. Pittier #6479

England, Alexandra Park, Man-  
chester. Robt. Lamb, Gen. Supt.



13.382 Epiphyllum 10528  
"Species No. 1, sent to us  
as P. latifrons" 1

13.383 Epiphyllum  
"Species No. 2, from  
Costa Rica" 2

13.384 Opuntia 10529  
Platop (all to N.Y.B.G.) 1

13.385 " 2

13.386 Opuntia 10536  
1 deto Platop. 2

13.387 Coryphantha 10536  
3

13.388 Opuntia  
(Spec. gone to N.Y.B.G.) 1

13.389 Opuntia 10543  
3 Platyp 1

England, Alexandra Park, Man-  
chester. Mr. R. Lamb, Gen. Supt.

Louisiana, about 37 miles below Aug. 3, 1913.  
Houma, near mouth of Bayou  
Terrebonne.  
E. C. Wurzlow

Maryland, Plum Point Aug. 10, 1913.  
W. L. McAtee

Arizona, Anderson Mesa, 30 mi S.E. of July 31, 1913  
Flagstaff. E. A. Goldman #2194  
#2195

Arizona, Grand Cañon Aug. 16, 1913  
E. A. Goldman #2199

13.390 *Acanthocereus pentagonus* 10527  
(all same) (Seeds)

13.391 *Echinocereus viridiflorus*?  
1 destr. 3

13.392 *Opuntia* 10701  
3 *Platyop.* /

13.393 " " /  
1 destr. "

13.394 " " /

13.395 " " /

13.396 *Mamillaria* /

13.397 *Opuntia*  
*Platyop.* 1 dead, destr. 2

Venezuela, H. Pittier.

"Miscellaneous cactus seeds,  
from either Barquisimeto  
or El Palito. With Mr.  
Pittier's shipment, July, 1913.

New Mexico, Vermajo Park. 7600 ft. Sept. 2, 1913  
"Not uncommon." Colfax Co.  
E. O. Wooton

Arizona, Grand Cañon, close to Aug. 29, 1913  
Indian Gardens. E. Goldman #2201

#2202

#2203

#2204

North Dakota, Steele. Cultivated. Sept. 1913  
W. R. Pitch #1

Steele, cultivated on Sept. 1913  
farm of M. D. Matthews.  
Originally brought from about  
17 miles south and a little  
west of Steele, where it grows

13.398 Opuntia 1 dead, destroyed  
Platyop 3

13.399. Opuntia  
Platyop. 1

13.400 Epiphyllum 10658  
r destr. 2

13.401 "  
(Seeds of 13.400)

13.402 Opuntia 10722  
3 Platyop. 1 destr. 1

13.403 " 1 destr. 1

13.404 Opuntia 10587  
3 Platyop 1

13.405. Opuntia 10589  
3 Platyop 6  
(H sent to N.Y.B.G.)

wild. W.R. Fitch # 2  
13 miles south (a little  
west) of Steele, growing wild  
in clumps about 3 ft. in  
diameter and less. (fruit)

Sept. 7, 1913

W.R. Fitch # 3.

Napoleon (wild)  
W.R. Fitch # 4

Sept. 9, 1913

England, Manchester, Alex - Sept. 1913  
andria Park. R. Lamb.

Florida, St. Cloud.  
J.T. Bearss # 1

Sept. 1913

# 2. rd 1

Utah, Hinckley.  
Marcus E. Jones

Sept. 1913.

Colorado, La Junta  
J.N. Rose 17501

Sept. 26, 1913



13.406 *Opuntia polyacantha* ✓  
(Seeds)

13.407 *Opuntia* 10722  
§ *Platyop* /

13.408 *Hymenocallis galvestonensis* 10597  
Baker

13.409 *Echinocereus* 10701

13.410 *Opuntia* /  
§ *Cylindrop.* Dead

13.411 " /  
§ *Platyop.* /

13.412 *Mamillaria* /

13.413 *Opuntia* /  
destr. /  
§ *Cylindrop.* (all in herb.) /

13.414 *Craculaceae*  
dead destroyed

13.415 *Aporocactus flagelliformis*  
10

Montana, Malta Oct. 1913  
Mrs. Dan Hansen

Florida, St. Cloud Oct. 1913.  
J. T. Bearss.

Louisiana, Houma.  
E. C. Weylow

Arizona, Aubrey Valley, 10 miles N. of Sept. 18, 1913.  
Pica, 5600 ft. E. A. Goldman #2266  
Prospect Valley, Hualpi Indian Sept. 30, 1913.  
Reservation, 4500 ft. #2268

(do) 5000 ft. #2269

(do) 4500 ft. #2270

(do) 6800 ft. #2272

Maine, Bluehill. Oct. 1913.  
W. R. Maxon

Mexico, Contreras, D. F. Sept. 10, 1913  
Wm. Brockway



13.416 *Opuntia* Dead  
1 destr. § *Cylindrop.* 10

13.417 *Opuntia* *Bentonii* 10597  
2

13.418 *Opuntia* 1 dead, destroyed  
§ *Platyop.* 2

13.419 *Cereus* 3 Dead

13.420 - *Echeveria* *Flourensii* Jan 1922 10595  
*Dudleya candida* Britton

13.421 - *Stylrophyllum* *Oreanthii* Rose  
1 destr. 4

13.422 *Dudleya*  
1 destr. 1

13.423 "  
1 destr. 1

13.424 *Echinocereus* *Engelmannii* 10596  
1

13.425 *Opuntia* *acanthocarpa*  
*Cylindrop.* 1

Kansas *Garden City*  
C. H. Popenoe (?)

Sept. 24, 1913.  
st. 1.

Louisiana *Houma*  
E. C. Wurzlow

Oct. 1913.

Kansas *Dodge City*  
George Horchderffer.

Mexico, *Contreras*, D. F.  
Wm. Brockway

Sept. 10, 1913.

Mexico, *Coronado Islands*  
S. B. Parish #8830

Oct. 19, 1913

#8831

#8832

#8833

Arizona, *Kingman*  
C. H. Popenoe

13.426 *Opuntia whipplei* 10596  
*Cylindrop* 1  
 13.427 <sup>destr.</sup> " *hystrixina* 4.  
 13.428 " *Platyop* *basilaris* 1  
 " 1

13.429 *Opuntia littoralis*? 10595  
 Seeds.

13.430 *Mamillaria* 10599  
~~Dead~~ 1

13.431 *Echinocereus*

13.432 <sup>destr.</sup> *Opuntia Roseana* 2  
 1 dead. ~~Dead~~ 2

13.433 " *Mackensenii* 3

13.434 *Opuntia* 10702  
 3 *Platyop* 1 destr. 3 ~~Dead~~

13.435 *Mamillaria*  
 1 destr. = 13.412 Seeds

Arizona, Kingman  
 C. H. Popenoe.

Mexico, Coronado Islands. Oct. 1913  
 P. B. Parish

Texas, Lytle, 23 miles S.W. of Nov. 1, 1913.  
 San Antonio. B. Mackensen

From private collection

Florida, Croom, Hernando Co.  
 C. W. Piper

Arizona, Hualpi Indian Reser-  
 vation E. Goldman.

13.436 Echinocactus 10598  
Cylindropuntia *oaxacensis* 1

13.437 Nolina Parryi ✓  
(Seeds)

13.438 Opuntia pulchella 10606  
1 destr. 3

13.439 Cereus 10607  
1

13.440 Mamillaria  
1 destr. (Seeds of 13.412)

13.441 Opuntia ~~Seeds~~ 10626  
Cylindrop 5

13.442 " " my 5

13.443 Cleistocactus Baumannii Lem. ✓  
(Seeds)

13.444 Cereus ✓  
1

Mexico, Oaxaca, Salina Cruz. Oct. 20, 1913  
C. Conzatti 151<sup>a</sup>

Arizona, Grand Cañon Sept. 30  
E. A. Goldman #2271

Nevada, Reno Nov. 13, 1913  
P. B. Kennedy

West Indies, Isle of Pines.  
O. E. Jennings

Arizona, Hualpi Indian Reservation  
E. A. Goldman

California, San Bernardino Nov. 19, 1913.  
P. B. Parish

South America, Argentina  
Weinberg, 1908. NYBG. 29544.

All sent to E. D. Sturtevant, <sup>Origin</sup> unknown  
Hollywood, Cal. 12/10/13.



13.445 *Macrozamia*  
(Fruits)

+

13.446 *Opuntia*  
1 destr. 5 Platop.

10631

13.447 " *Quitensis*  
1 destr. "

1

13.448 *Crassulaceae*  
*Crassula lactea* (Rosa)

1

13.449 *Sedum*  
1 destr.

10635

13.450  
1 destr.

13.451 1 dead, destroyed.

13.452.

13.453 *Opuntia Davisii*  
1 destr.

10640

13.454 *Rhipsalis*

New Zealand near Springsure,  
Queensland. Leg. Mr. Clements  
Sent by Parke, Davis, & Co.  
(O. A. Farwell)

Oct. 1, 1913.

NyBGard. 01744  
F. M. Curtis 1897  
NyBGard. 6098  
Limon - 1901 - C.T. OZ

Presented by Mr. Swiggett,  
Washington, D.C.

Mexico, Michoacan, Morelia.  
#1 Sent from Legand,  
#2 France, by G.  
Thomas-Davis.  
#3

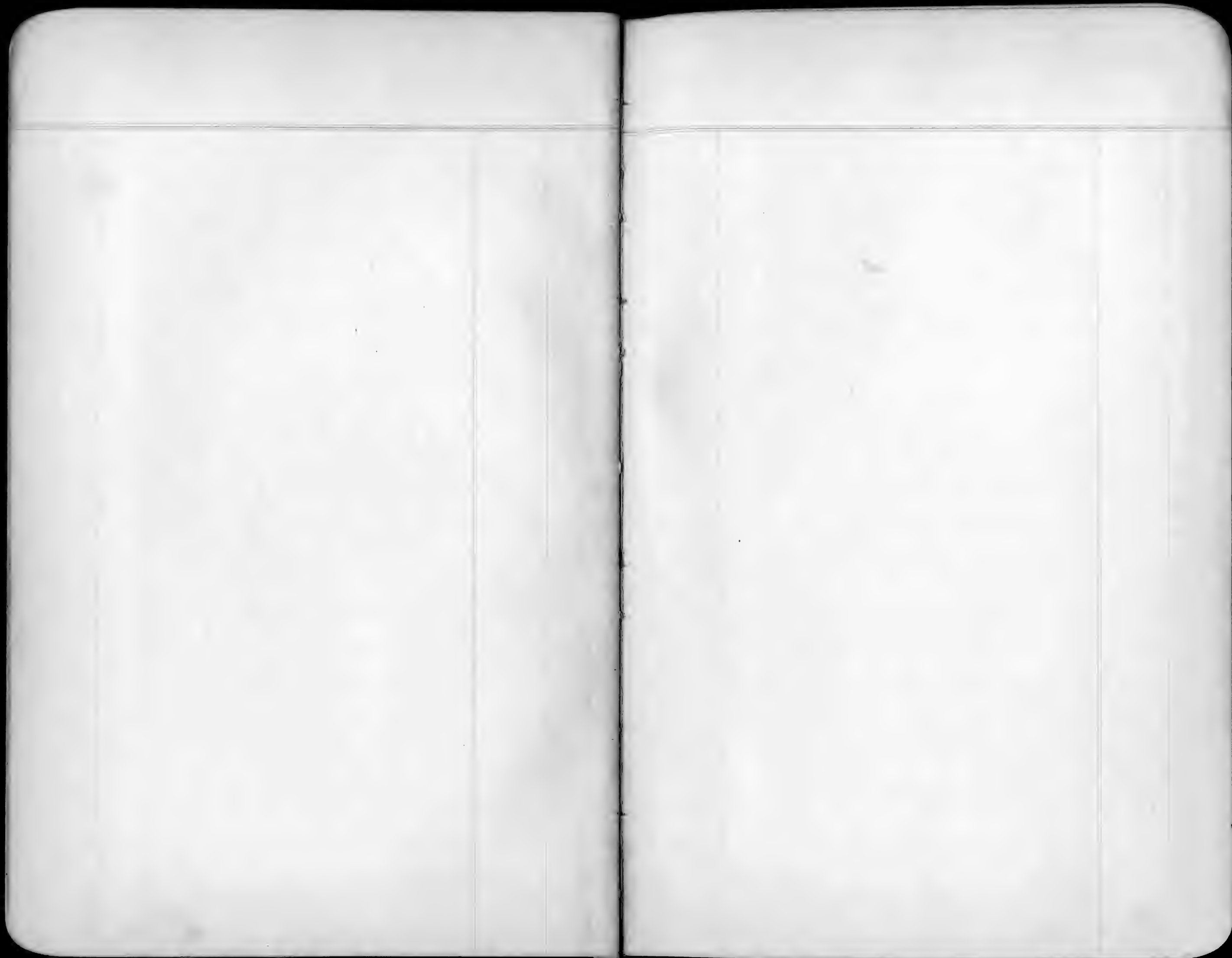
Dec. 1913.

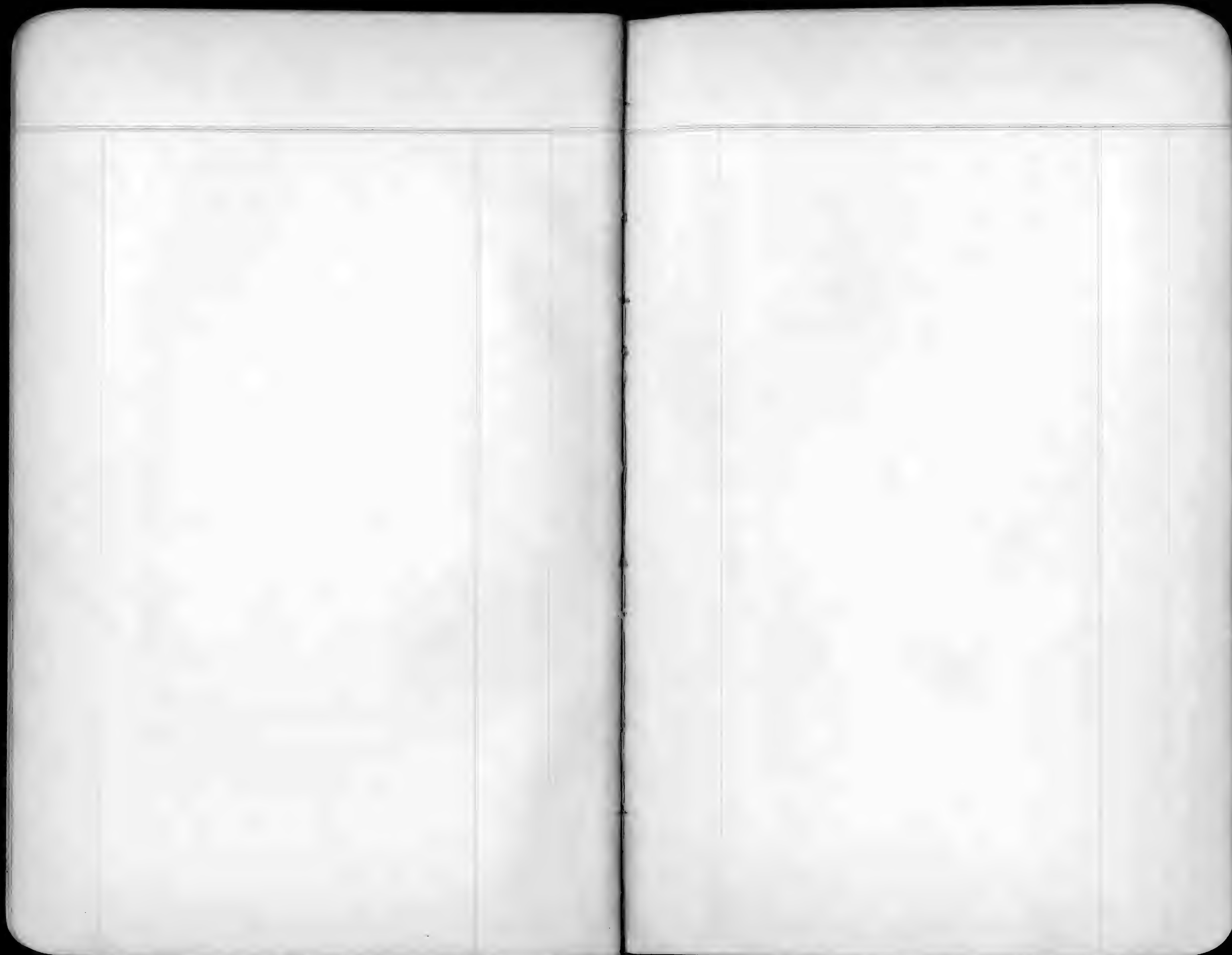
Texas, Abernathy, Hale Co.  
Through B. Mackensen

Dec. 25, 1913.

Probably from Venezuela (Pittier) May be  
same as 13.268.  
Wrongly marked 13.187







- 14.1 *Opuntia*  
 near *microdasys*  
 14.2 *Myrtillocactus geometrizans*  
 14.3 *Mamillaria sphacelata*  
 14.4 *Aporocactus flagelliformis*

~~Lead~~  
 10639

1

1

2

2

- 14.5 *Dudleya* 10648  
 1 destr. 2 to NY 4  
 14.6 *Opuntia Kunzei*  
 all to NY 1  
 14.7 " *acanthocarpa*  
 all to NY. 1  
 14.8 " *ramosissima*  
 (all to herb.) 1  
 14.9 *Mamillaria phellosperma*  
 1  
 14.10 *Opuntia Bigelovii*  
 all to NY. 1  
 14.11 " *microdasys*  
 all to NY 1

Mexico, near Xócalo, Tehuacán.

Dec. 18, 1913

C. Conzatti

Tomellin Cañon (Quistepéc)

"

Road to Ixtlan, Oaxaca.

Arizona, Tinajas Altas

Dec. 1913

E. A. Goldman #2297

Tula Tanks

Dec. 4

#2299

#2301

#2302

#2303

#2304

Tinajas Altas.

14.12 *Rhipsalis Tonduzii* Weber ✓  
1 destr.  
14.13. c " "  
(Seeds)

14.14 *Rhipsalis squamulosa* 10654  
2

14.15 *Pediocactus Simpsonii* 3

14.16 *Opuntia Greenei* 2

14.17 c " *arbuscula* 1

14.18 *Sedum oxypetalum* H.B.K. 10662

14.19 *Echeveria gibbiflora* DC. 3  
1

14.20 c *Mamillaria elegans* 1

14.21 " *sp. ded.* 2

14.22 *Heliocereus speciosus* 4

Costa Rica forests of San Ramon April-May 1913  
A. Tonduz

Berger [C.R.]  
NYBG. 29931. 1908.

Colorado, Salida Jan 1914  
R. S. Plimpton

Mexico, Mixcoac Feb. 3, 1914.  
Arsenio Brouard.

Pedregal de San Angel



*Thyctoe*

14.23 *Pereus serpentinus* 10662

4

14.24 *Opuntia tunicata*

5+

14.25 " 1 destr.

6

14.26 *Selenicereus* 10667

*Boeckmannii* ?

2

14.27 " *hamatus* Britton & Rose

2

14.28 *Aporocactus*

2

14.29 "

1

14.30 *Epiphyllum*  
(Dead 3/13/14)

1

14.31 *Opuntia* 10719  
& *Platyop.*

1

14.32 *Opuntia humifusa* Raf. 10681  
1 destr.

4

Mexico, Pedregal de San Angel. Feb. 3, 1914.  
Arsenio Brouard.

Mexico, Oaxaca, Rincon Antonio  
C. Conzatti  
Orizaba

Oaxaca, Ocotlán

Oaxaca, Villa Alta

India, Dehra Dun, U. P. Jan. 5, 1914.  
Forest Research Institute  
Punjab. R. N. Parker.

Indiana, Lake Maxinkuckee. March, 1914.  
Collected for Dr. Evermann by  
Russell Goldner.

14.33 c *Pfeiffera janthothela* Weber 10687

14.34 c *Mamillaria dumetorum* Purpus

14.35 c " *glochidiata* Mart.

14.36 c " *Schelhasi* Pfeiff.

14.37 c " *fusco-atra* Otto  
1 destr.

14.38 c " *multiramata* Bodeker

14.39 *Cereus Straussii* Vaupel.

Specimen dead.

14.40 c *Opuntia triacanthus* 10691  
1 destr.

14.41 c " *moniliformis* (L.)

14.42 *Cephalocereus royeri*

14.43 *Harrisia*

14.44 *Lemaireocereus hystrix* 2

Germany, Halle (Saale)  
L. Quehl.

March 1914.

dead & preserved

West Indies, Desecado I.  
Britton & Cowell #1565

1914

#1566

#1598

#1599

#1643

14.45 *Coryphantha niveosa* 10691  
1 sp. ded. 2

14.46 *Harrisia* 1

14.47 *Cephalocereus Royenii* 1

14.48 *Coryphantha niveosa* 1  
1 destr.

14.49 *Opuntia catacantha* 1

14.50 *" Taylori* 1

14.51 *Hylocereus trigonus* 1

14.52 *Opuntia catacantha* 1

14.53 *Hylocereus trigonus* 2  
1 destr. 1 dead destroyed

14.54 *Opuntia Taylori* 1  
1 destr. dead

14.55 *Weberocereus Tonduzii* 1  
(all sent to Alexandra Park)

14.56 *Rhipsalis Regnelli* Dead

West Indies, Desecheo I.

Britton & Cowell #1644

Mona I.

#1737

#1791

#1821

#1822

#1823

Arecibo to Hatillo

#1931

Vieques I.

Shafer

"

"

"

"

Costa Rica

Weinberg

NyBG. 19162

Bot. Gart. Berlin 1902.

NyBG. 16115

1914



14.57 *Stylophyllum* 10704  
1 destr.

14.58 " 2  
2 destr.

14.59 *Cereus pentagonus* 10705  
*Cereus rigidus*

14.60 *Hylocereus polychiis*

14.61 *Harrisia gracilis*

14.62c " *eriophora*

14.63 *Leptocereus*

14.64 *Harrisia portoricensis*

14.65 *Cereus*

14.66 *Opuntia triacantha*  
dead destroyed.

14.67 *Cactus*

14.68 *Cephalocereus acicularis*

California - Pt. Loma, San Diego Mar. 27, 1914  
S. B. Parish #9025  
near Ramona  
#9027

Simon 1901. NYBG. 6791 1901

Colombia - Weinberg " 14641 1902

Jamaica " 29696. 1908  
N. L. Britton 3070

Cuba " 32905 1900  
" 1600

Cuba, Pinar del Rio " 36476 1912  
Shafer 13754

Porto Rico " 37244 1913  
N. L. Britton 1957

M. R. Light  
Porto Rico, Deseches I. " 39439 1914  
B. & C. 1565

" " 39451 1914  
" 1645

Colombia, Santa Marta " 39460 1914  
Sinclair #13



14.69 *Acanthocereus* 10705  
 1 destr. /  
 14.70 *Cactus* /  
 14.71 *Lemaireocereus* /

14.72 *Rhipsalis pilocarpa* 10706 /  
 14.73 *Pterocactus kuntzei* /

14.74 *Dudleya pulverulenta* B. & R. 10718 /  
 14.75 *Agave deserti* Engelm. 4 /  
 14.76 *Phellosperma tetraancistra* (Engelm.) /  
 14.77 *Echinocactus cylindraceus* /  
 Dead 2 Ex Ras  
 14.78 *Opuntia* /  
 Cylindriop /  
 14.79 " /  
 Dead Opuntia /

Colombia, Santa Marta M.B. 39462 1914  
 J.G. Sinclair #1  
 " 39463 1914  
 " " 39464 1914  
 " #3

England, Alexandra Park, Manchester March 31, 1914.  
 R. Lamb.

California, Mountain Springs, April 8, 1914  
 San Diego Co. S.B. Parish

14.80 *Cereus* 10713

/

14.81 *Opuntia basilaris* 10718

/

14.82 *Phellosperma tetraucistra*

/

14.83 *Opuntia*  
& *Platop.*

/

14.84 *Cereus megalanthus* Schum. 10721

/

14.85 " *extensus* Salzm-Dyck

/

14.86 *Rhipsalis* 10736

8±

1 ded

14.87 *Heliocereus* 10735

14.88 *Selenicereus Boeckmannii*

Brazil, Januaria, Minas. S.P.I. 37823  
Thom S. P. Dorsett

California, San Diego Co.  
S. B. Parish

Germany, Georgenthal  
W. Weingart.

April 9, 1914

Costa Rica, Peralta, Linea a Limon, 300 m. alt. Toward the Atlantic. C. Werckle, collector  
Sent by A. Touduz. April, 1914.

Mexico, Oaxaca, Miahuatlan  
C. Congatti  
Rincon Antonio, Istmo  
Tehuantepec.

April 1914

14.89 *Epiphyllum stenopetalum* 10731  
1 destr.

14.90 *Beaucarnea recurvata* 1

14.91 *Opuntia vestita* 1

14.92 *Pediocactus Simpsonii* 10732  
1

14.93 *Pereskopsis velutina* 10733  
2

14.94 *Mamillaria* 3

14.95 *Hylocereus tricostratus* 1

14.96 *Mamillaria* 6  
1 sp. destr.

14.97 *Selaginella* 2

14.98 *Echinocereus* 1

14.99 *Mamillaria* 1

MBG. 6137

Simon - 1901

Mexico, Vera Cruz 38560

J.C. Harvey  
Italy, La Mortola 38636

1913

1913

Wyoming, Laramie Hills  
Dr. Owen Nelson

May 3, 1914.

Mexico, Queretaro  
Arsène Brouard #9

#11

#12

#15

#19



14.100 *Echinocactus cornigerus* /

14.101 c *Coryphantha similis* (Engelm.)  
destr. Britton & Rose  
Sill

14.102 c *Rhipsalis aculeata* Weber? 10745  
dead, destroyed.

14.103 c " *trigona*

14.104 c " *anceps* 1 sp. destr.

14.105 c " *capilliformis*

14.106 c " *cassytha*

14.107 c " " var. *rhodocarpa*  
" " var. *rhodocarpa*

14.108 c 1 destr. " *chloroptera*

14.109 c " *chrysocarpa*

14.110 c " *clavata*

(Note: One of each number sent to N.Y. of this

Mexico, Querétaro.

Arsene Brouard

Texas, near Ft. Worth  
Mr. Albert Reith.

May 1914

England

Robt. Lamb.

# 868

# 869

# 870

# 871

# 872.

# 873.

# 874

entire accession.)



14. 111c *Rhipsalis conferta* 10745
14. 112c " *crispata*
14. 113c " " var. *lactior* S.D.
14. 114c " *dissimilis* var. *setulosa*
14. 115c " *erythroli<sup>?</sup>pis*  
1 destr.
14. 116c " *floccosa*
14. 117c " *foveolata*
14. 118c " *gibberula*  
1 destr.
14. 119c " *gonocarpa*  
1 destr.
14. 120c " *grandiflora*
14. 121c " *hadrosoma*  
1 destr.
14. 122c " *houlettiana*  
1 destr.

England. R. Lamb. \* 875

\* 877

\* 878

\* 879.

\* 880

\* 881

\* 882

\* 883

\* 884

\* 885

\* 886

\* 887

One  
each

14. 123 *Rhipsalis Statioides* 10745

14. 124c " *pentaptera*

14. 125c " *lumbicoides*

14. 126c " *madagascariensis* var. *dasyerca*

14. 127c " *myosurus*

14. 128c " " var. *Knightii*

14. 129c " *Neves-Armondii*

14. 130c " *paradoxa*

14. 131c " *penduliflora*

14. 132c " *pilocarpa*

14. 133c " *platycarpa*

14. 134c " *pulvinigera*

Engl. P. Lamb. \* 888

\* 889

\* 890

\* 891

\* 893

\* 894

\* 895

\* 897

\* 898

\* 900

\* 901

\* 902

One

each

14. 135c *hipsalis puniceodiscus* 10745

14. 136c " *radicans*  
2 destr.

14. 137c " *ramulosa*

14. 138c " *Regnellii*

14. 139c " *rhombea*

14. 140c " *saglionis*

14. 141c " *sauvexiana*

14. 142c " *squamulosa*  
1 destr.

14. 143c " *sulcata*  
1 destr.

14. 144c " *tetragona*

14. 145c " *Tonduzzii*  
1 destr., destroyed.

14. 146c " *virgata*

14. 147c " *warmingiana*

Engl. R. Lamb #903

#904

#907

#908

#909

#910

#911

#912

#913

#914

#915

#917

#918

14.148 *Hylocereus* 10746

14.149 " 3

14.150 " 2 sp. det. 6

14.151 " 6

14.152 *Cereus peruviridis* Weing. 10749

14.153 *Coryphantha missouriensis* 10757  
2 det. 2

14.154 *Pediocactus Simpsonii* 10756

14.155 *Echinocereus* 10757

2  
Dece

Panama, South Darien May 5, 1914.  
H. Pittier #6553

#6623 Punta Patirio

#6624

#6625 Pinogana

Germany, Erfurt May 1914.  
Haage & Schmidt.

South Dakota, Black Hills re-  
gion, Harney National Forest.  
Western part of state, south  
of center, fide Mr. Jardine,  
Forest Service.

Wyoming May 1914  
Dr. Owen Nelson

Utah, 7 miles west of Ephraim May 26, 1914.  
W. W. Eggleston 10140



14.156 Echinocereus 10755  
/

14.157c Selenicereus Maynardii 10763  
/

14.158 Dudleya Parishii ? 10761  
1 sp. destr. 5

14.159c Pediocactus Simpsonii 10767  
1 destr. /

14.160c Echinocereus viridiflorus 2

14.161 Mamillaria 1  
1 destr. /

14.162c Opuntia polyacantha /

14.163 Echinocereus /

14.164c Echinocactus polyacanthus 10778  
/

Arizona, Graham Mts., Ash Creek May 20, 1914  
E. G. Holst. 6200 ft.

California, Hollywood May 27, 1914.  
E. D. Sturtevant

California Lebec. Tejon mts., May 1914.  
5000 ft.  
D. P. MacDougal.

New Mexico, Tijeras June 6, 1914.  
Miss Charlotte C. Ellis May 20, 1914

May 20, 1914

California  
Thru Dr. MacDougal. Collected  
by S. B. Parish near Barstow, Calif

14.165c *Opuntia Darwinii* 10765  
2  
14.166c " *australis* 2

14.167 *Borziacactus Ventimigliae* a 10864  
1

14.168 *Opuntia* a 10861  
3 *Platyop.* 1

14.169 " (1 cluster) 1

14.170 *Mamillaria*  
Dead & preserved

14.171 *Opuntia*  
*Cylindrop.* 1

14.172 " *Platyop.* 2

14.173 *Mamillaria micromeris* 10779  
2

14.174 " 1 destr. 2 Dead

14.175 *Echinocereus* 1

Germany, Erfurt  
Haege u. Schmidt.

May, 1914.

Italy, R. Orto Botanico Palermo.  
U. Riccobono, Head Gardener

Arizona: Canyon Diabolo, Coconino County June 14, 1914.  
Paul Monnet

Canyon Padre, Coconino County.

Texas, vicinity El Paso #1  
Miss M. E. Chaffey.

#2

#3

14.176 Echinocereus *capitata*

14.177 <sup>Broadway sp. nov.</sup> Cactus communis 10859

Dead specimen 4 + 2 dead

14.178 Cephalocereus sp  
1 destr. 4

14.179 ✓

14.180 Selenicereus 10860

14.181 Mamillaria prolifera 3

14.182 Opuntia 10781.  
§ Cylindrop 1

14.183 Opuntia 10784  
Platyop 1

14.184 " Platyop 1

14.185 " Platyop. 1

14.186 Echinocereus 4

14.187 Epiphyllum? 10791.  
1 destr. 1 dead destroyed. 6

Texas, vicinity El Paso #4

M. E. Chaffey.

W & Broadway. Purchased from him by Carnegie Institution of Washington.  
Tobago, W. I.

Recd.  
6-20-14.

Cuba, Dimas Bay.

May 17, 1914

Dr. Paul Bartsch #131

Sierra Penitencia, Vinales.  
#413

Arizona, Oraibi

6-29-14.

Dr. Paul Monnet

Arizona, Toriva.

7-7-14.

Dr. Paul Monnet.

, Kearns Cañon, Mogui Agency.

" " " " " "

Canal Zone, Ancon. #6675. Recd. 7-11-14.  
H. Pittier



14.188 *Opuntia* <sup>a 10790.</sup> ~~Dead~~  
1 dry fruit. (died)  
*Platyop. spineless.* 2 See herb.

14.189. *Opuntia* 10795 ...  
1 destr. *Cylindrop.* 2

14.190 *Opuntia* 10795 ...  
1 destr. *Cylindrop.* 1/2 in fruit.

14.191 *Opuntia*  
*Platyop.* 1

14.192 *Cereus areolatus* a 10862.

14.193 " *Funkii* 1

14.194<sup>v</sup> " *macrogonus* 1

14.195<sup>c</sup> " *Martinii* 1

14.196<sup>c</sup> " *pomanensis* 1

14.197<sup>c</sup> *Opuntia exaltata* 1

14.198<sup>v</sup> " *extensa* 1

14.199 *Selaginella* ~~Dead~~ 10859  
1 destr.

14.200 " "

Utah, Moab. Reed 7-13-14.  
Marcus E. Jones

Arizona Reed. 7-13-14.  
Mogui Indian Agency. Dr. Paul Monnet.

Arizona, Ash Cr., Graham Mts. Reed.  
alt. 3200 ft. 7-14-14.  
coll. 7-1-14 by  
E. J. Holt.

Italy, La Mortola. Reed. 7-22-14.  
Hanbury Gardens.

Arizona, Sta. Catalina Mts. July 28, 1914.  
Forrest Shreve.  
" " July 22, 1914



14.201

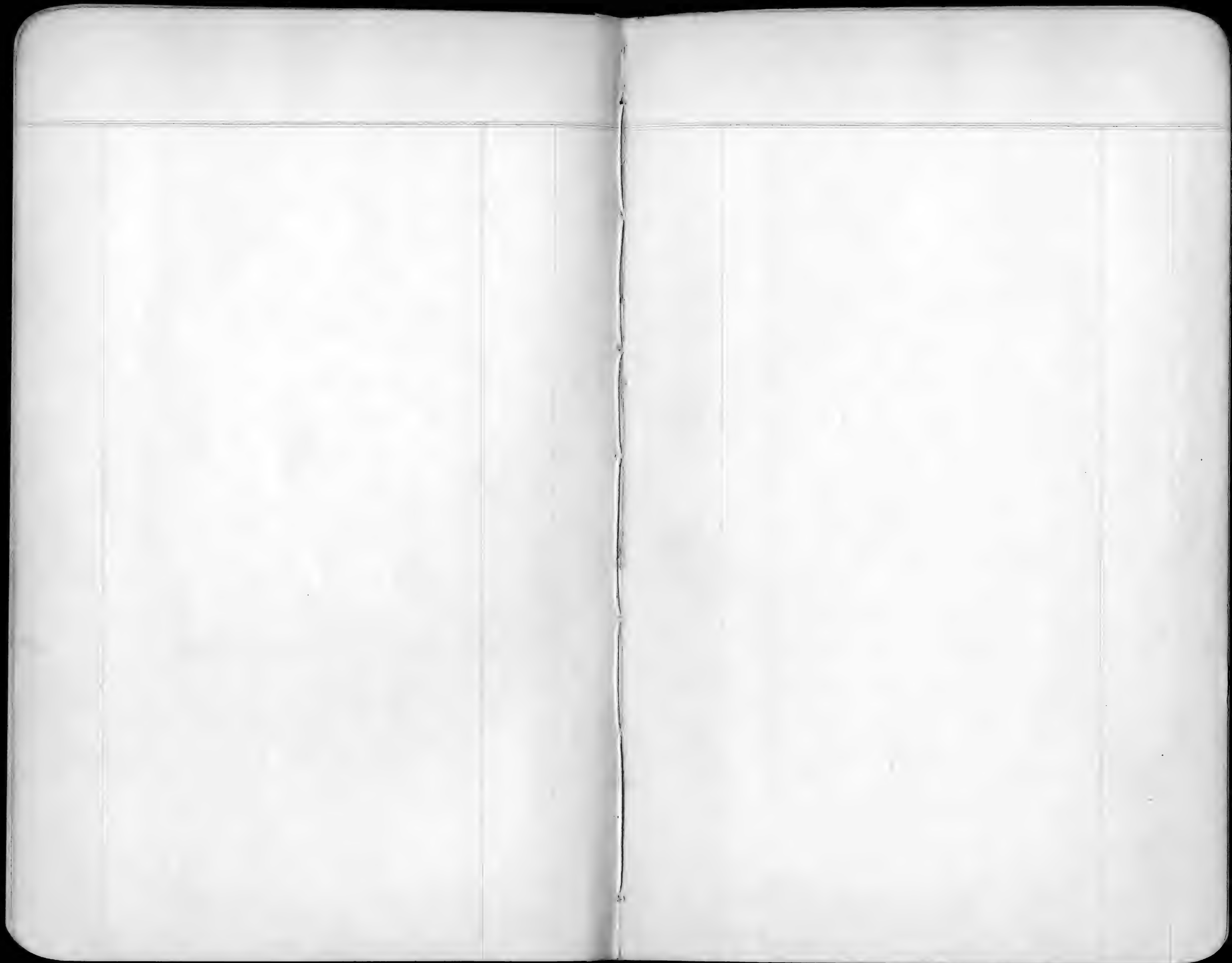
"Amole"

2

Note 14.1001 - 2 pages fashion.

Obtained in market at Juarez, Mex. by E. S. Wooten,  
as from Mts. of southern Chihuahua.

Recd. 10-14-14.



14. 1001 *Opuntia* <sup>a</sup> 10863.  
 14. 1002 <sup>a</sup> *Cereus* see 15.42  
*Selenicereus*  
 14. 1003 " <sup>a</sup>  
 14. 1004 " see 15.42  
 14. 1005 *Agave*  
 14. 1006 " In Herb.  
 14. 1007 " " "  
 14. 1008 ✓ *Mammillaria* 10857  
*tricolor* "Amole"  
 14. 1009 *Mammillaria* 10858.  
 14. 1010 *Opuntia* 10889  
 (Platyop.) 1 sp. ded.  
 14. 1011 *Selaginella rupincola*  
 14. 1012 *Opuntia* 10896  
 (all sent to N.Y. Bot. Gard.)

- Colorado, Buena Vista, Salesburg Ill. #1.  
 C. Z. Nelson. (534 Hawkinson Avenue, near)  
 #1.  
 #2. Recd. 9-2-14.  
 #3.  
 #1.  
 #2.  
 #3.  
 " " " " " " " " " " " "  
Mexico. Obtained by E. O. Woolton at Juarez, as from  
 mts. of southern Chihuahua. See letter of 10-5-14 to P.C.S.  
 Recd. 10-14-14.  
Nevada, Sheep Mts., 3000 ft. Recd 11-4-14.  
 E. A. Goldman (no. 2428) Oct. 26, 1914.  
Nevada, Charleston Mts; 4000 ft.  
 E. A. Goldman 2430 Nov. 18  
Arizona, Dragoon Mts. Sept. 6, 1914  
 Forrest Shreve  
Canada, Alberta, Rosedale July 20, 1914.  
 Marion E. Moodie

14.1013° *Bommeria*

a 10857.

14.1014 *Cheilanthes wrightii* Hooker

1

2

Arizona, Santa Rita Mts. 4000 ft. Oct. 1914.  
O. F. Cook



15.1 *Opuntia brasiliensis* Haw. 10949  
2

15.2 *Cereus*

15.3 *Opuntia hempeliana* Schum. 2  
1 destr. 1

15.4 *Selaginella rupestris* (L.) Spring. ✓  
dead, destroyed

15.5 *Carnegiea gigantea* 10970  
2

15.6 *Opuntia* 10971  
1 sp. dead

15.7 *Hylocereus truncatus* 10973  
2

15.8 *Epiphyllum* 4  
1 destr.

15.9 " 2

15.10 *Stapelia variegata* 1

15.11 *Pedilanthus* 1

Peru, near Santa Ana, 3200 ft. elev. Jan. 5, 1915  
E. C. Eddis

" , Pumachaca 4600 ft. elev. Jan. 6, 1915

" near Lamay 9000<sup>+</sup> ft. elev. Nov. 19, 1914.  
F. W. I.

Virginia, Great Falls, crevices of gneiss Feb. 14, 1915.  
rock. G. P. Van Eseltine #240

Arizona, near Tucson Recd.  
D. T. MacDougal Mar. 22, 1915.

Florida: "Grows very large in some March 1915  
parts" Mrs. J. H. Chiles (Palmyra Beach)  
"Grows wild ... very prolific"

"Crab-claw"

"Fragrant bloom" Nov. 1

15.12 Euphorbia 10971

15.13 " 2

15.14 2

15.15 1

15.15 Mammillaria Grahamii 2

15.16 Echinocereus Engelmannii 1

15.17 Echinocactus Wislizenii 1

15.18 " " Dead 2

15.19 Echinocactus cylindraceus 1

15.20 Pediocactus Simpsonii 10978 Dead 1

15.21 Opuntia mohavensis 1

15.22 " erinacea Engelm. 2  
1 sp. destr.

Florida

Mrs. J. H. Chiles  
[Nassau] "A tree-cactus"

Arizona, Chandler  
H. L. Shantz.

March 11, 1915

California, Palm Springs

Mar. 8, 1915.

From the Botanical Garden at  
Johns Hopkins University

Mar. 27, 1915

California, Mojave Desert  
S. B. Parish

Mar. 1915

Barnwell, New York Mts.  
5000 ft.

15.23 *Echinocereus Engelmannii* 1

15.24 *Opuntia echinocarpa*  
1 destr. 3

15.25 *Opuntia*  
2 destr. 5

15.26 *Rhipsalis conferta* 3

15.27 " *Tonduzii* 3

15.28 " *micrantha* 1

15.29 " 1

15.30 " *Warmingiana* 3

15.31 " *sulcata* 2

California

S. B. Parish

Bolivia, Tiahuanaco

Feb. 4, 1915

E. C. Eridis, collector  
"Grows in dense clumps  
about 1½ ft. in diameter.  
Plant 2" high. 12,700' alt.

NYBG. 14739 - Paris, 1902.

NYBG. 10016 April, 1905

NYBG. 16082 Berlin, 1902

NYBG. — April, 1915

NYBG. 16102 - Berlin 1902

NYBG. 14811 Paris, 1902



SEL 15.41

15.32 *Aporocactus flagelliformis* 11000

15.33 *Opuntia Taylori* 10998

15.34 " " 4

15.35 " 2 destr. 2

15.36 " 5+

15.37 *Epiphyllum* 1

15.38 " *Sellowi* 1

15.39 *Rhipsalis* 1

15.40 " *Swartzianus* 1

15.41 *Selenicereus virens* 11005  
U5102

Sent from Galesburg, Ill. by Apr. 7, 1915.  
C. Z. Nelson

Porto Rico, Salinas de Cabo Rojo  
B. & C. 4706. NYBG. 41642 1915.

Cabo Rojo (Lighthouse)  
B. & C. 4742. NYBG. 41643 1915

Punta Melones  
B. & C. 4642 NYBG. 41644 1915

Cabo Rojo Lighthouse  
B. & C. 4741. NYBG. 41644 1915

Simon, 1901

NYBG. 6804

Kew - 1902

NYBG. 15615

C. R. Werckle, 1905

NYBG. 22655

C. R. Berger 1903

NYBG. 27933

Sent from Galesburg, Ill. Apr. 1915.  
by C. Z. Nelson



- 15.42 *Mammillaria Heyderi* 11004  
 dead specimen 2
- 15.43 *Echinocereus pectinatus*  
 1 destr. 2
- 15.44 " *paucispinus*  
 (large clump) 1
- 15.45 *Echinocactus setispinus*  
 Dead + destroyed 1
- 15.46 " *Texensis* 1

- 15.47 *Opuntia opuntia* 11006  
 n. sp. dead + destr. 15+

- 15.48 *Echinocereus Kunzei* Gürke 11007

- 15.49 *Echinopsis* 11010  
 1

- 15.50 *Cereus Maynardii* 1

- 15.51 *Echinocactus polyancistrus* 11016  
 1 destr. 2

- 15.52 " *polycephalus*  
 Dead specimen 1

Texas, San Saba  
 B. R. Russell

April, 1915.

Virginia, Great Falls  
 J. H. Rose & Walter Deane

April 17, 1915

Arizona, Phoenix  
 Dr. R. E. Kunze

Apr. 23, 1915

California, Hollywood  
 E. D. Sturtevant

Apr. 22, 1915

California, Barstow  
 S. B. Parish

April 27, 1915

15.53 *Cereus Engelmannii*

15.54 *Opuntia basilaris ramosa* 2  
Destr. 1

15.55 " *ramosissima* 1

15.56 *Opuntia*  
so called "clavarioides" 1

15.57 *Opuntia*  
1 specimen for analysis 5

15.58 *Echinocereus*

15.59 *Echinocactus horizonthalonius* 2  
11055

15.60 " *dasyacanthus* 4  
Dead & destroyed " Pr RA

15.61 *Echinocereus chloranthus*  
Dead & preserved 5

15.62 " *dasyacanthus* 9  
1 destr.

15.63 " 1

15.64 *Mamillaria*  
1 destr. 2

California, Barstow  
S. B. Parish.

14. Staten Island, Stapleton  
A. Kuester

May 1915

Nevada, near Round Mt., Toiyama Range,  
Nye County. alt.  $\pm$  6500 ft.  
Ernest G. Holt.  
Coll. 5-15-15. Recd 5-25-15.

Texas, El Paso, vicinity of.  
Mr. J. W. Jays.

Recd  
5-28-15.

15.65 Mamillaria  
1 destr.

11055

15.66 "  
1 destr.

2

15.67

W. R. M. has Herb. sp. 1 dead destroyed 2

Mr. Maxon  
occasional  
these two

15.68. " (dead destroyed)

W. R. M. has Herb. sp.

1

11056

15.69 Opuntia

1

15.70 Opuntia ~~praeceps~~  
~~dead destroyed~~

11057

3

15.71 Mamillaria  
1 destr.

1

15.72 "  
1 destr.

5

15.73. "

1

15.74 Echinocereus

1

15.75 "

(clump)

1

15.76 Opuntia  
1 destr. (cylindrical)

2

Texas, vicinity of El Paso.  
Mr. J. W. Gays

California, Mt. St. Helena. Recd. 6-14-15.  
Alice Eastwood. 6-1-15.

California, Skaggs Springs, Lane Co. Recd 6-14-15.  
Elix. Parsons Hatcher. 6-5-15.

Arizona, Holbrook. Recd. 6-15-15.  
E. A. Goldman 6-4-15.

California, Teastalk, on plains  
S. B. Parish

California, New York mountains,  
near Barnwell.

California, Ivanpah mountains

California, New York mountains,  
near Barnwell.

California, near Teastalk.

California, Teastalk, on plains  
~~Reveia~~, near Searchlight  
S. B. Parish

California, Teastalk, on plains.

See letter of S. B. Parish of 6-28-15.  
All from S. B. Parish.  
Recd. 6-14-15.



15.77 Echinocactus cylindraceus 11057  
Dead & preserved 1

15.78 " , destr. 1

15.79 Opuntia chlorotica 2

15.80 Mammillaria "Pediosactus" 11058  
Dead, destroyed 2 Dead

15.81 Opuntia " 1

15.82 Opuntia 2

15.83 Opuntia destr. 2

15.84 Cereus 1

15.85 Opuntia 2

15.86 Mammillaria n. destr. 3

15.87 Opuntia (dead destroyed) 1

15.88 Selaginella cinerascens 2

S. B. Parish  
Nevada, Searchlight.

California,  
Ivanpah Mts.

Utah, La Sal Mountains

Marcus E. Jones

Utah, Coon Creek Canyon, Ogquirch Mts, Salt Lake Co.

Prof. A. O. Garrett. Coll. 6-16-15

" , foot of Ensign Peak, Salt Lake City. Recd. 6-25-15.  
Coll. 6-15-15.

Nevada, Nye Co., Toiyabe Range, bet'n Peavine  
and Cloverdale Creeks, alt. 6000-6500 ft. Recd 6-29-15.  
E. J. Holt. Coll. 6-4-15.

Florida, Sands Key I.

Dr. Paul Bartsch.

Recd. 7-6-15.

Oklahoma, Alva.

Prof. R. L. Clifton

Recd. 7-12-15.

Utah, Salt Lake County, Coll. 6-29-15  
Pareley's Canyon. Recd 7-23-15.  
A. O. Garrett #2803.

California, near San Diego. Recd. 8-6-15  
J. H. Collins. July, 1915.



15.89 Selaginella

15.90 Mammillaria

15.91 Epiphyllum

Both dead  
9-14-15

15.92 Opuntia (See notes.)

Spineless form. Cylindro-

15.93 Selaginella rupestris

15.94 Selaginella

15.95

"Ayraampo"

15.96

prosp. at

15.97 Talinaria Palmeri Brandeg. 11157  
dead destroyed

15.98 Epiphyllum

11156

3

Georgia, Stony Mountain

Recd. 8-6-15.

J. B. Norton July, 1915.

Arizona, Flagstaff.

Coll. 7-21-15.

Recd. 8-14-15.

C. L. Harrell (thru W. L. McAtee).

Costa Rica.

San Jose,

Recd. 9-7-15.

Sent by Museo Nacional, at request of O. Jimenez.

Peru, Torontoy vicinity.

B.P.L. # 41104.

Recd. 9-14-15.

O. J. Cook (no. 1788). Hiram Bingham (no. 4242)

Canada, Ontario, Taranoguel, 7 mi. east.

G. P. Van Eseltine (502). on bare rock. Recd 9-21-15.

Same locality.

(501)

Recd 9-21-15.

Peru, Tinta, planted on walls.

S.P.L. # 41191.

Dr. O. J. Cook. Coll. 4/16/15. Recd 9/25/15.

Mexico

J. G. Noyes.

1915

See letter to Mr. Coville of  
Oct. 11, 1915.

Costa Rica, San Jose

Museo Nacional, A. Alfaro,  
Director

1915

15.99 *Epiphyllum russellianum* Dead

15.100 *Rhipsalis Houlletiana* 11208  
1 sp. ded. 2

15.101 " *warminiana* 2

15.102 *Epiphyllum cartagense* 1

15.103 *Rhipsalis rhombea* 1

15.104 " *Tondusii* 2

15.105 *Epiphyllum* 11264  
dead destroyed 1

15.106 *Cereus* 11199

15.107 *Cephalocereus Gürkei* ②

15.108 *Opuntia Youngii* 11200

National Botanic Garden Oct. 1915  
called "*E. mackoyanum*"

NYBG. 6249 Dist. 1 1915

16102  
(Weinberg 1903)  
19161

9627

24953

Honduras, On road from Ceiba, 1915.  
about 1 mile south of  
Ceiba plaza. 100 ft. elev., on  
tree trunk.  
F. J. Dyer #4

Brazil, Baixa Verde, Rio Grande Aug. 1915.  
do Norte. E. C. Green

Florida, N.W. of Tampa Nov. 1915.  
C. L. Nelson

15.109 *Carnegiea gigantea* ✓

15.110

Seeds

Arizona,

Oct. 1915.

Sent by Dr. D. T. MacDougal

Brazil, Bahia, Machado Portella.

(Given Dr. Rose by J. W. J. Girdewood in 1915)



16.1 Echinocactus setispinus , 11227

16.2 Echinocereus  
Dead Ex R. A. S.

16.3 Mamillaria Kunzei /

16.4 " missouriensis /

16.5 Echinopsis  
Yellow & Red 4

16.6.

16.7 Cephalocereus keyensis Brit. & Rose  
"forming large clumps" /

16.8 Selenicereus  
"a rapid climber." /

16.9 Acanthocereus pentagonus D. & P.  
"climber from the shell mounds". /

16.10 Hylocereus trigonus  
"Rampant climber." /

16.11 Harrisia  
25 ft. high. /

16.12 Euphorbia  
Ornamental. /

Texas, San Saba  
B. R. Russell

Jan. 1916

Missouri, Kansas City  
(From S. Keimig)

"

Peru, Ollantaybampo Valley (?) WMB 312  
O. F. Cook Photo 390  
Between Cachendo & Arequipa Pl. No. 784

1915

Florida,  
From Dr. George S. Stone, Punta Gorda. 2-5-16.

Shell mounds.

The Keys.

The Keys



16.13 Epiphyllum

11264

6 (2 in herb)

16.14 Pterocactus

/

16.15 Opuntia  
Platycp, narrow joint

11275

/

16.16 " " broad joint

/

16.17 - Opuntia

/

16.18 "

1 destr /

16.19 " Youngii n. sp.

/

16.20 " sequina n. sp.

/

16.21 " Beckeriana

/

16.22 " Scheerii

/

16.23 Selaginella

1 clump 11.287

Honduras

Recd 2-4-16.

F. J. Dyer. La Ceiba.

Argentina, Rio Negro Valley

Collected by Walter Fischer, 1915.

Taken from herbarium sheet 2/8/16,  
& sent to greenhouse for planting, 2/14/16

Arizona, Stone Cabin Cañon, Santa Rita Mts. Feb. 1916.  
D. T. MacDougal  
near Tucson.

Illinois, Galesburg. Cult. by C. T. Nelson. March 2, 1916

#3 (From Laredo, Texas)  
(From San Antonio, Tex.)

#135

(From northern Chile)

(From Durango, Mex.)

South Carolina, Hartsville

G. P. Van Eseltine (Collected J. B. Morton)

1 March 1916.

16.24 *Opuntia Dillenii* 11279

16.25 " " 2

16.26 " " 2

all to NY. (very long spines) 1

16.27 " " 1  
all to NY.

16.28 " " 2  
all to NY. *austriana*

16.29 *Acanthocereus* 3

16.30 *Opuntia* 2

16.31 *Zygocactus truncatum* 11289  
1 dead destroyed 1

16.32 *Epiphyllum* 1

16.33 *Opuntia* 1  
*Platyph.*

16.34 " " 1

16.35 " " 3  
2 dead, destroyed.  
" small joints

Florida, Marco  
P. C. Standley

Febr. 1916.

Six miles south of St. Myers.

North Carolina, Beaufort,  
Sent by Charles Hatsel

March 9, 1916.

16.36 *Opuntia* 11296

16.37 " 1 dead destroyed. 4

16.38 " 4

16.39 " 3

16.40 " 2

16.41 " 1 dead, destroyed 2

16.42 " 3

16.43 " 2

16.44 *Opuntia discata* 11292

16.45 " *blakeana* 2

16.46 *Opuntia Drummondii* 11291  
*Platyph* 15+

16.47 *Gasteria nitida* (B.D.) H. 1

South Carolina, vicinity of Charleston  
Folly Island  
Isle of Palms

Feb. 15 1916

Feb. 14

nyBly. 43644

nyBly. 43651

nyBly. 43652

nyBly. 43649

nyBly. 43648

nyBly. 43647

nyBly. 43646

nyBly. 43645

Arizona, Tucson  
D. T. MacDougal.

North Carolina, Beaufort  
Charles Hatsel.

March 14, 1916.

Sent by J. J. Thornber from  
Tucson, Ariz.

3/27/16



16.48 *Opuntia phaeacantha* 11312  
1 to NY (from San Antonio, Texas) 2

16.49 " *Blakeana* 4  
2 to NY

16.50 *Epiphyllum* 11308  
1 dead destroyed 2

16.51 *Opuntia* ✓  
Plat. (all to NY) 1

16.52 " (all to NY) 1

16.53 " *occidentalis* (all to NY) 1

16.54 *Stylophyllum* *insulare* Rose  
1 dead destr. (2 to NY) 3

16.55 *Selenicereus* 11319  
4

16.56 *Harrisia* 3

16.57 *Opuntia leptocaulis* ~~Dead~~ 11312  
red fruit 3

16.58 " " yellow fruit 3

16.59 *Opuntia prolifera*

16.60 " *serpentina* all to NY. (ded)

Arizona, Tucson Desert Laboratory March 1916.  
Dr. D. T. MacDougal

Honduras

F. J. Dyer

California: Hollywood, near Los Angeles  
S. B. Parish

Santa Catalina I.

April 1, 1916.

Cuba, Oriente, mountains of  
Dr. J. R. Johnston. Omaja.

Arizona, Tucson

Apr. 7, 1916

Dr. D. T. MacDougal

California: San Diego  
S. B. Parish

April 1916



16.61 *Opuntia littoralis* 1 ✓

16.62 *Selaginella* 1 ✓

16.63 *Mamillaria* 2 11328

16.64 *Euphorbia splendens* 1 ✓

16.65 *Opuntia* <sup>brasilensis (Hilleb.) Hook</sup> <sub>tuna</sub> 1 ✓

16.66 *Stapelia* 2 ✓

16.67 *Opuntia spinulifera* 1 ✓

16.68 *Nopalea coccinellifera* 1 ✓

16.69 *Opuntia Drummondii* 4 11343

16.70 " " 3

16.71 " " 2

16.72 " *Pollardii* 4

California: San Diego  
S. B. Parish

Massachusetts, near Lexington 9/16/16  
on Lexington Rd. near  
Mass. Ave. J. B. Norton

Mexico [original source]  
C. E. Conklin

Florida, Punta Gorda. 4/15/16.  
Geo. S. Stone. (cult.)

NyBly. 10887  
D. P. B. 04

Honduras, Utila Island Apr. 11, 1916.  
F. J. Dyer

Florida, Appalachicola. NyBly. 43913 1916  
J. K. Small  
(Beach) 43914

43915

40 mi. N. of " 43916

16.73	<i>Opuntia ficus-indica</i>	11343
16.74	"	1
16.75	"	2
16.76	" <i>Keyensis</i> = <i>Dillenii</i>	2
16.77	" <i>bahamana</i>	2
16.78	" <i>Keyensis</i> = <i>Dillenii</i>	3
16.79	" <i>austriana</i>	1
16.80	" <i>Dillenii</i>	2
16.81	" "	1
16.82	" <i>Keyensis</i> = <i>Dillenii</i>	2
16.83	" " "	1
16.84	" <i>Dillenii</i>	2
16.85	" <i>Keyensis</i> = <i>Dillenii</i>	1

Florida, Appalachicola  
J. K. Small  
(beach)

NYBG. 43917

1916.

NYBG. 43918

NYBG. 43919

Umbrella Key

43922

Lignum Vitae Key

43923

Lower  
Matecumbe Key

43924

Cape Sable

43925

Cuthbert Lake

43926

Chokoloskee

43927

Flamingo

43928

Chokoloskee

43929

"

43930

upper  
Matecumbe Key

43931

16.86 *Opuntia Dillenii* 11343

16.87 *Harrisia eriophora* 4

16.88 *Cephalocereus keyensis* 1

16.89 *Mamillaria* 11348

16.90 *Crassulac* 11347

16.91. *Opuntia*  
*Platyph.* (all to NY) 1

16.92 *Mamillaria Grahami* 11353

16.93 *Echinocereus*  
*Dead & eaten - sp. 1* EX RAS

16.94 *Rhodiola rosea* 11374  
(2 to R. Lloyd Praeger) 5+ Dead

16.95 *Selaginella acanthonota*? 11369  
2 clumps Dead

Florida, Lower Matecumbe Key NYBG 43932 1916

J. K. Small  
Cuthbert Lake 43934

Umbrella Key 43935

California, Shaver's Well Cottonwood Mts.,  
Colorado Desert. S. B. Parish

California, Campo May 9, 1916  
D. T. MacDougal

California, Los Angeles  
H. M. Wegener

Arizona, Rice, May 1916  
E. A. Goldman #2608

Pennsylvania, Pike Co. on cliff along May 30, 1916  
Delaware R. #2609  
Percy Wilson

North Carolina, Wilmington, June, 1916.  
Agnes Chase



16.96 Echinocereus 11375

16.97 Dudleya Dead

16.98 Mammillaria Grahami

16.99 Opuntia basilaris 11481

16.100 Opuntia Covillei 11481

16.101 Echinocereus mohavensis

16.102 Cactus 11410

16.103 Cereus

16.104 Echinocereus 11396

16.105 Opuntia Plat.

16.106 " delicata ? Plat.

16.107 " Plat.

Arizona <sup>Salt River</sup> 12 mi. N. of McMillenville May 24, 1916.  
E.A. Goldman #2659

#2660

#2661

California, Cajon Pass.  
S.B. Parish

California, Baldwin Lake, San Bernardino Mts. S.B. Parish June 17, 1916 #10805

Desert side, San Bernardino Mts. June 16, 1916 #10803

Colombia, Santa Marta June 1916  
Curran

Arizona, near Congress Junction June 29, 1916.  
Forrest Shreve

"

Skull Valley

Grand View, rim of Grand Cañon



16.108 *Echinocactus whipplei* 11482  
Dead + preserved 2

16.109 *Echinocactus*  
Dead + preserved 5

16.110  
1 dead - destroyed 3

16.111 *Diascia Barberae* 11411  
ded + destr. 2

16.112 *Echinocereus* 11482

16.113 *Opuntia* Dead ✓  
Cylind. 2

16.114 " Dead  
Plat.

16.115 *Gormania Hallii*  
(all to Praeger) 2

16.116 *Cactus* 11418  
(with specimen) 1

16.117 " 1

16.118 *Mamillaria nivosa* 1

16.119 *Cereus* 11421  
1

Arizona, Kayenta July 1916.  
C. T. Vorhies

Brazil, near Joazeiro July, 1916  
Dr. Leo Zehntner

Pennsylvania, Philadelphia July 24, 1916  
Activated; H. Natho

Arizona, Kayenta July 1916  
C. T. Vorhies # 3

# 4

# 6

California, Lake Tahoe Aug. 1916.  
Miss Anderson

Turk's Island, West Indies 1916.  
Through New York Aquarium

Ecuador, Guayaquil.  
C. T. Brues, coll. 1913.

16.120 Crinum ✓

4 bulbs

16.121 Nyctocereus ✓

1.

16.122 Hylocereus

16.123 Hylocereus polyrhizus ✓  
4 Kew

16.124 Opuntia hystricina

2

16.125 Hylocereus minutiflorus 11479  
[a 28 = a 31] 3

16.126 Nopalea coccinellifer

# a 45.

dead

16.127 Pediosactus

16.128 Selenicereus

11479

16.129 Rhipsalis erythrosquama Lofgr. 11480

16.130 Rhipsalis, sp. nov.

"With this mail I send you a <sup>3</sup> second living Rhipsalis, belonging to the same group as the interesting Rh. dimorpha from Cabo Frio and the Rh. toudouxii you sent me. It is a fine species, more than 2 meters long, rich branched and rich flowering, unfortunately with very small flowers and fruits on the last and forelast deep emerald-green articuli."  
--- Lofgren, 9-10-16, to Dr. Rose.

Obtained at N.Y. Bot. Gard. by Dr. J. N. Rose.

Pennsylvania, Wilkesbarre (Cult.) Aug. 1916.  
(Originally from Germany) Miss V. Taster

N.Y.B.G. 9722.

Colombia, El Banco

June 1916

H. M. Curran

Arizona, Rayenta

Aug. 1916

C. T. Vorhies

Honduras, Ceiba.

Recd Sept 18, 1916.

Francis J. Dyer. coll. 9/7/16.

Honduras, Ceiba

Recd 9-21-16

Photo recd 10-25-16.

Francis J. Dyer

Coll. 9/9/16.

Nevada

in N. W. part near Oregon line

Humboldt Co. Recd. 9-27-16.

(about 30 mi. S.W. of Denio, Oregon, which is on State line.)

H. L. Shantz

Coll. 9/19/16.

Honduras, Ceiba

9/22/16

F. J. Dyer.

Brazil, Rio de Janeiro

9-10-16.

A. Lofgren. Jardim Botânico

1916

16.131 *Opuntia*

11481

(3 fruits, yellow) 1

16.132 *Opuntia*

11483

also (fruits) 2 ✓

See herb. spec.

1 dead destroyed

16.133 *Cereus setaceus*

1

16.134 *Epiphyllum*

See herb. frt. (made into 4) 2

"On big buttressed, in banana plantation; leaves x x reach several yards in length; pendent."

16.135 *Echinocereus*

1

16.136 *Jacquemontia*

16.137 *Selaginella convoluta* Spring

1

California, Santa Barbara 9-26, 1916.

S. D. Parish (#20,019). Recd 10-4-16.

Utah, Salt Lake County 9-23-16.

Ridge between Red Butte and Emigration Canyon. Recd 10-4-16.

A. O. Garrett (#2848).

New York Botanical Garden

#2220 (Simon)

Honduras, Ceiba

alt. 10-15-16.

F. J. Dyer. (#A 132).

Utah, Salt Lake Co., Coll. 10-17-16.

Parley's Canyon. Recd 10-24-16.

A. O. Garrett (#2849). alt. 5050 ft.

Porto Rico

Mrs. Agnes Chase

Brazil, near Bahia

Rose & Russell (19796)

Collected in 1915.



17.1 *Cephalocereus brooksianus*

1

17.2 *Cereus melanurus*

3

17.3 "

3

17.3 "

2

17.4 *Opuntia curassavica*

5

17.5 *Echinocactus erectocentrus*

2

17.6 *Opuntia leptocaulis*

1

17.7 *Cactus*

2

17.8 *Mamillaria pusilla*

=

*Var haitiensis Schum*

17.9 *Opuntia Blakeana*

17.10 "

17.11 *Selenicereus*

17.12 "

Cuba - eastern part

1917

P. Bartsch

Brazil, Minas Geraes

P. Campos Porto

Curacao

H. M. Curran, thru P. Thompson

Arizona, near Empire Ranch

Forest Shreve

Venezuela, near Cora

H. G. Foss

Haiti

P. Bartsch #311

1917

Arizona

McDougal

1917

Cultivated in Arizona

Haiti

P. Bartsch #259

1917

" 257



17.13 Cereus leptotus

17.14 Pedocactus

17.15 Opuntia

17.16 Echinocactus febrigi?

17.17 Echinocactus whifflei spinosior <sup>dead Dec 1916</sup>  
Dead & preserved

17.18 Mamillaria radiosa Dead

17.19 Echinocereus <sup>Fendleri</sup> paucispinus

17.20 Echinocactus glaucus?

17.21 Echinocereus Englemanni? <sup>dead & preserved</sup>

17.22 Opuntia basilaris

17.23 Echinocereus Englemanni?

Haut

P. Bailech #223 & 224

Nevada, Cleveland Creek, Shell Creek range  
alt 7500 ft, E.A. Goldman Oct 31 1916 #2836

Florida Trunks of Cabbage Palm,  
J.K. Small May 24/1917  
S.A. N.Y.B.G. no 40312 from Berlin B.G. 1914

Utah, Clifton M.E. Jones June 11 1917

N.M. Luna Walter Hough June 29 "

Holbrook. " "

" " "

Arizona E.A. Goldman. 1917

all sent to N.Y.B.G.

California, San Antonio canyon  
west, on line Los Angeles & San Bernardino Co  
Jim Johnston, (all sent to N.Y.B.G.)

Arizona Diamond Creek  
E.A. Goldman Sept 9 1917  
sent to N.Y.B.G. See photo

- 17.24 *Sedum*
- 17.25 *Sedum* <sup>flowers white</sup> *arimoleum*
- 17.26 *Cereus* <sup>dead destroyed</sup> *gummosus*
- 17.27 *Cereus* *eruca*
- 17.28 *Mamillaria* *halei*
- 17.29 *Echinocactus* *viridescens*
- 17.30 *Dudleya* *albiflora* ? <sup>Dead</sup> Ex RAS
- 17.31 *Echinocereus* *bartholomaei*
- 17.32 *Mamillaria* *roseana* (all 5 ny)
- 17.33 " *goddardii* ??
- 17.34 *Opuntia* (all ny)
- 17.35 *Mina* *lobata* Llav & Lep
- 17.36 *Dudleya* Dead
- 17.37 "
- 17.38 *Sedum*

California J.M. Johnston no 1644

" San Antonio Mts " no 1288,

Lower California near Magdalena Bay Collected by E.R. Christy

" "

" "

" "

" "

Dead & preserved

Grown from Mex seed sent by Mr. E.E. Markville

California J.M. Johnston no 1788

" " 1789

" " 1790



1739 Dudleya

1740 Dudleya

1741 Stylophyllum Dead

1742 Hasseanthus elongatus

1743 Opuntia exaltatus Buzer.

1801 Echinocactus dead

1802 Mamillaria robustifolia

California J.M. Johnston no 1791

" " 1792

" " —

" " no. 1794

Peru, Matucana J. Gancion. 1917

Forest Shrub Arizona

42 4284<sup>(14)</sup>